

Kuipers & Associates

Sarah Zuzulock, PE

Senior Environmental Engineer PO Box 1859
szuzulock@kuipersassoc.com Bozeman, MT 59771

Phone: (406)585-9932
Fax: (406)585-9889

Kuipers & Associates, LLC

Date: October 28, 2009

To: Anaconda Deer Lodge County

From: Kuipers & Associates

Subject: **Ambient Air Quality Monitoring
Opportunity and Warm Springs Sites
September 2009 Monthly Report**

This September 2009 report documents the ambient air quality monitoring program conducted by Kuipers & Associates on behalf of Anaconda Deer Lodge County at the Opportunity and Warm Springs locations adjacent to the Atlantic Richfield Lower Waste Management Area (LWMA). Total Suspended Particulate (TSP) is monitored at Opportunity, and PM10 at Warm Springs. Additionally, wind speed, wind direction, temperature and relative humidity are monitored at both sites.

All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan. Results for the month are summarized as follows:

- Hourly average data were collected continuously by the monitors from September 1st through September 30th, with 99.9% availability for TSP at the Opportunity location and 99.4% availability for PM10 at the Warm Springs location.
 - Downtime at the Opportunity location occurred on September 15 at 15:00 MST for routine maintenance.
 - Downtime at the Warm Springs location occurred on September 15 at 13:00 MST for routine maintenance. Additional downtime occurred on September 25 from 13:00 MST through 15:00 MST due to a power outage.
- The hourly average data record for the month is attached to the end of this report. Current data is available for real-time electronic download on demand, and public viewing at: <http://ka.airsis.com/vision/login.aspx?ReturnUrl=%2fvision%2fDefault.aspx> (Username = ADLC, Password = OCPA).
- Monthly and quarterly air monitoring reports from June 2007 through present are now available on the County's website at: http://anacondadeerlodge.mt.gov/super/info.aspx#q_reports.
- At the Opportunity location the maximum TSP reading for the period on a daily average basis was 73 $\mu\text{g}/\text{m}^3$, and the average monthly concentration was 32 $\mu\text{g}/\text{m}^3$. The maximum reading for the period on an hourly average basis was 335 $\mu\text{g}/\text{m}^3$. This value was associated

with light north-northwest winds, indicating that the Lower Waste Management Area (LWMA) may have been a contributing source. The four highest daily and hourly maximum values are summarized in Table 1, and the average daily data for the month is attached together with meteorological information in Table 3.

- At the Warm Springs location the maximum PM10 reading for the period on a daily average basis was $21 \mu\text{g}/\text{m}^3$, and the average monthly concentration was $10 \mu\text{g}/\text{m}^3$. The maximum reading for the period on an hourly average basis was $165 \mu\text{g}/\text{m}^3$. This value was associated with light south winds, indicating that the LWMA may have been a contributing source. The four highest daily and hourly maximum values are summarized in Table 2, and the average daily data for the month is attached together with meteorological information in Table 4.

Table 1
Opportunity Site TSP Maximum Data, September 2009

| Maximum | TSP ($\mu\text{g}/\text{m}^3$) | Date & Time (MST) | Wind Speed (mph) | Wind Direction (deg) |
|----------------|----------------------------------|-------------------|------------------|----------------------|
| Daily 1st Max | 73 | 9/26/2009 | 6.3 | 248 |
| Daily 2nd Max | 73 | 9/29/2009 | 5.8 | 232 |
| Daily 3rd Max | 67 | 9/27/2009 | 4.7 | 340 |
| Daily 4th Max | 46 | 9/28/2009 | 5.2 | 175 |
| Hourly 1st Max | 335 | 9/27/2009 18:00 | 4.3 | 335 |
| Hourly 2nd Max | 303 | 9/26/2009 14:00 | 9.4 | 295 |
| Hourly 3rd Max | 279 | 9/29/2009 21:00 | 10.7 | 231 |
| Hourly 4th Max | 236 | 9/12/2009 18:00 | 3.4 | 62 |

Table 2
Warm Springs Site PM10 Maximum Data, September 2009

| Maximum | PM10 ($\mu\text{g}/\text{m}^3$) | Date & Time (MST) | Wind Speed (mph) | Wind Direction (deg) |
|----------------|-----------------------------------|-------------------|------------------|----------------------|
| Daily 1st Max | 21 | 9/29/2009 | 6.3 | 213 |
| Daily 2nd Max | 20 | 9/18/2009 | 2.2 | 136 |
| Daily 3rd Max | 19 | 9/27/2009 | 3.0 | 338 |
| Daily 4th Max | 15 | 9/25/2009 | 2.3 | 81 |
| Hourly 1st Max | 165 | 9/18/2009 08:00 | 2.7 | 190 |
| Hourly 2nd Max | 54 | 9/18/2009 09:00 | 3.1 | 185 |
| Hourly 3rd Max | 54 | 9/28/2009 08:00 | 5.6 | 195 |
| Hourly 4th Max | 53 | 9/29/2009 16:00 | 11.9 | 215 |

- There are no Montana or Federal air quality standards for TSP; both were replaced by the current PM10 standard in 1987. Prior to 1987 the Montana annual TSP standard was $75 \mu\text{g}/\text{m}^3$, the 24-hour standard was $200 \mu\text{g}/\text{m}^3$ and there was no hourly standard. TSP results for September at Opportunity were well below these historical standards. Monitoring for PM10 from May 2007 through June of 2008 showed that PM10 concentrations were consistently below regulatory levels. To facilitate comparison with previously collected PM10 data, the TSP data are being reported at Local temperature and pressure conditions.

- At the Warm Springs monitoring site daily average PM10 results for the month of September were well below the 24-hour Montana Ambient Air Quality Standard of $150 \mu\text{g}/\text{m}^3$. The average monthly concentration was below the annual PM10 standard of $50 \mu\text{g}/\text{m}^3$. There currently is no State or Federal standard for hourly PM10 data.
- Precipitation for the month was well below average based on weather records for the Butte airport. No significant precipitation occurred until the last two days of the month.
- Wind roses are attached to graphically depict prevailing winds.
 - Figure 1 shows the Opportunity location, where the predominant wind directions in September were from the southwest quadrant. Winds from the north-northeast also were common.
 - Figure 2 shows the Warm Springs location, where winds were mostly from southerly directions. North winds also were common.
- If a dust storm event or nuisance dust in general is observed, please contact us so that we may respond, and try to quantify and document the problem. We are available seven days per week 24 hours per day and ask that you contact the following (in order) until someone is notified.

Dust Event Contacts:

| | |
|----------------|-------------------------|
| Steve Heck | 498-4199 |
| David Dobrinen | 490-9205 |
| Jim Kuipers | 782-3441, then 459-0445 |
| Sarah Zuzulock | 585-9932, then 581-1355 |

Table 3
Opportunity Site Daily Average Data

| Date | TSP Daily ($\mu\text{g}/\text{m}^3$) | Wind Speed Daily (meters per second) | Wind Speed Daily (miles per hour) | Wind Direction Daily (degrees true) | Air Temperature Daily (Celsius) | Air Temperature Daily (Fahrenheit) | Relative Humidity Daily (percent) |
|--------------------|--|--|---|---|---------------------------------------|--|---|
| September 1, 2009 | 12 | 1.3 | 2.9 | 169 | 19.3 | 66.7 | 55 |
| September 2, 2009 | 18 | 1.3 | 3.0 | 206 | 18.7 | 65.6 | 52 |
| September 3, 2009 | 31 | 2.3 | 5.1 | 223 | 21.3 | 70.4 | 38 |
| September 4, 2009 | 32 | 1.6 | 3.6 | 15 | 17.2 | 63.0 | 50 |
| September 5, 2009 | 27 | 1.9 | 4.3 | 212 | 17.3 | 63.1 | 56 |
| September 6, 2009 | 44 | 2.6 | 5.9 | 14 | 15.7 | 60.2 | 61 |
| September 7, 2009 | 29 | 2.4 | 5.3 | 13 | 9.6 | 49.2 | 61 |
| September 8, 2009 | 12 | 1.4 | 3.2 | 233 | 9.0 | 48.2 | 51 |
| September 9, 2009 | 22 | 1.9 | 4.2 | 235 | 12.8 | 55.0 | 41 |
| September 10, 2009 | 39 | 1.8 | 4.0 | 351 | 13.3 | 56.0 | 48 |
| September 11, 2009 | 30 | 1.2 | 2.7 | 278 | 12.3 | 54.1 | 54 |
| September 12, 2009 | 34 | 1.4 | 3.2 | 204 | 13.4 | 56.1 | 46 |
| September 13, 2009 | 15 | 1.6 | 3.5 | 341 | 12.7 | 54.8 | 48 |
| September 14, 2009 | 42 | 2.1 | 4.7 | 14 | 17.1 | 62.9 | 44 |
| September 15, 2009 | 27 | 1.3 | 3.0 | 311 | 17.4 | 63.4 | 53 |
| September 16, 2009 | 20 | 1.8 | 4.0 | 180 | 18.9 | 66.0 | 51 |
| September 17, 2009 | 34 | 2.3 | 5.2 | 223 | 19.9 | 67.7 | 44 |
| September 18, 2009 | 41 | 1.1 | 2.4 | 218 | 17.3 | 63.1 | 57 |
| September 19, 2009 | 36 | 2.8 | 6.4 | 228 | 19.9 | 67.8 | 41 |
| September 20, 2009 | 26 | 3.4 | 7.6 | 281 | 10.9 | 51.6 | 49 |
| September 21, 2009 | 17 | 1.7 | 3.8 | 117 | 8.1 | 46.7 | 53 |
| September 22, 2009 | 18 | 1.3 | 2.9 | 175 | 11.3 | 52.3 | 52 |
| September 23, 2009 | 27 | 1.4 | 3.2 | 186 | 15.2 | 59.3 | 49 |
| September 24, 2009 | 32 | 1.8 | 4.1 | 101 | 17.1 | 62.8 | 37 |
| September 25, 2009 | 32 | 1.7 | 3.7 | 355 | 14.7 | 58.4 | 44 |
| September 26, 2009 | 73 | 2.8 | 6.3 | 248 | 16.5 | 61.6 | 33 |
| September 27, 2009 | 67 | 2.1 | 4.7 | 340 | 10.7 | 51.2 | 40 |
| September 28, 2009 | 46 | 2.3 | 5.2 | 175 | 13.8 | 56.9 | 33 |
| September 29, 2009 | 73 | 2.6 | 5.8 | 232 | 14.2 | 57.5 | 39 |
| September 30, 2009 | 10 | 3.5 | 7.7 | 290 | 2.8 | 37.0 | 71 |

Table 4
Warm Springs Site Daily Average Data

| Date | PM10 Daily ($\mu\text{g}/\text{m}^3$) | Wind Speed Daily (meters per second) | Wind Speed Daily (miles per hour) | Wind Direction Daily (degrees true) | Air Temperature Daily (Celsius) | Air Temperature Daily (Fahrenheit) | Relative Humidity Daily (percent) |
|--------------------|---|--|---|---|---------------------------------------|--|---|
| September 1, 2009 | 7 | 1.4 | 3.1 | 152 | 19.4 | 66.8 | 56 |
| September 2, 2009 | 7 | 1.7 | 3.7 | 172 | 19.4 | 66.9 | 52 |
| September 3, 2009 | 9 | 2.4 | 5.3 | 205 | 21.1 | 70.0 | 38 |
| September 4, 2009 | 10 | 1.1 | 2.5 | 8 | 16.6 | 61.9 | 79 |
| September 5, 2009 | 10 | 1.7 | 3.8 | 186 | 17.4 | 63.3 | NO DATA |
| September 6, 2009 | 11 | 1.8 | 4.0 | 118 | 16.0 | 60.8 | NO DATA |
| September 7, 2009 | 6 | 1.2 | 2.8 | 12 | 9.9 | 49.8 | 55 |
| September 8, 2009 | 3 | 1.5 | 3.3 | 193 | 9.5 | 49.1 | 52 |
| September 9, 2009 | 5 | 1.8 | 4.1 | 193 | 13.6 | 56.5 | 39 |
| September 10, 2009 | 8 | 1.1 | 2.5 | 23 | 13.0 | 55.5 | 51 |
| September 11, 2009 | 12 | 1.1 | 2.5 | 199 | 12.9 | 55.3 | 53 |
| September 12, 2009 | 8 | 1.4 | 3.1 | 206 | 14.2 | 57.6 | 45 |
| September 13, 2009 | 6 | 1.3 | 2.8 | 48 | 13.2 | 55.8 | 48 |
| September 14, 2009 | 11 | 1.1 | 2.5 | 40 | 16.1 | 61.0 | 49 |
| September 15, 2009 | 15 | 1.0 | 2.2 | 336 | 17.2 | 63.0 | 56 |
| September 16, 2009 | 9 | 1.8 | 3.9 | 171 | 19.1 | 66.4 | 50 |
| September 17, 2009 | 11 | 2.1 | 4.7 | 199 | 19.8 | 67.7 | 44 |
| September 18, 2009 | 20 | 1.0 | 2.2 | 136 | 17.2 | 62.9 | 58 |
| September 19, 2009 | 12 | 2.4 | 5.5 | 203 | 19.9 | 67.8 | 41 |
| September 20, 2009 | 5 | 2.5 | 5.6 | 299 | 10.7 | 51.3 | 54 |
| September 21, 2009 | 5 | 1.3 | 2.8 | 159 | 8.0 | 46.4 | 55 |
| September 22, 2009 | 7 | 1.1 | 2.4 | 151 | 11.7 | 53.0 | 52 |
| September 23, 2009 | 8 | 1.3 | 2.9 | 161 | 15.8 | 60.4 | 47 |
| September 24, 2009 | 10 | 1.5 | 3.3 | 167 | 17.0 | 62.6 | 38 |
| September 25, 2009 | 15 | 1.0 | 2.3 | 81 | 13.8 | 56.9 | 47 |
| September 26, 2009 | 13 | 2.7 | 6.1 | 232 | 16.7 | 62.0 | 34 |
| September 27, 2009 | 19 | 1.4 | 3.0 | 338 | 10.7 | 51.3 | 42 |
| September 28, 2009 | 15 | 2.5 | 5.6 | 168 | 14.5 | 58.2 | 33 |
| September 29, 2009 | 21 | 2.8 | 6.3 | 213 | 15.1 | 59.1 | 38 |
| September 30, 2009 | 4 | 1.5 | 3.4 | 246 | 3.4 | 38.1 | 73 |

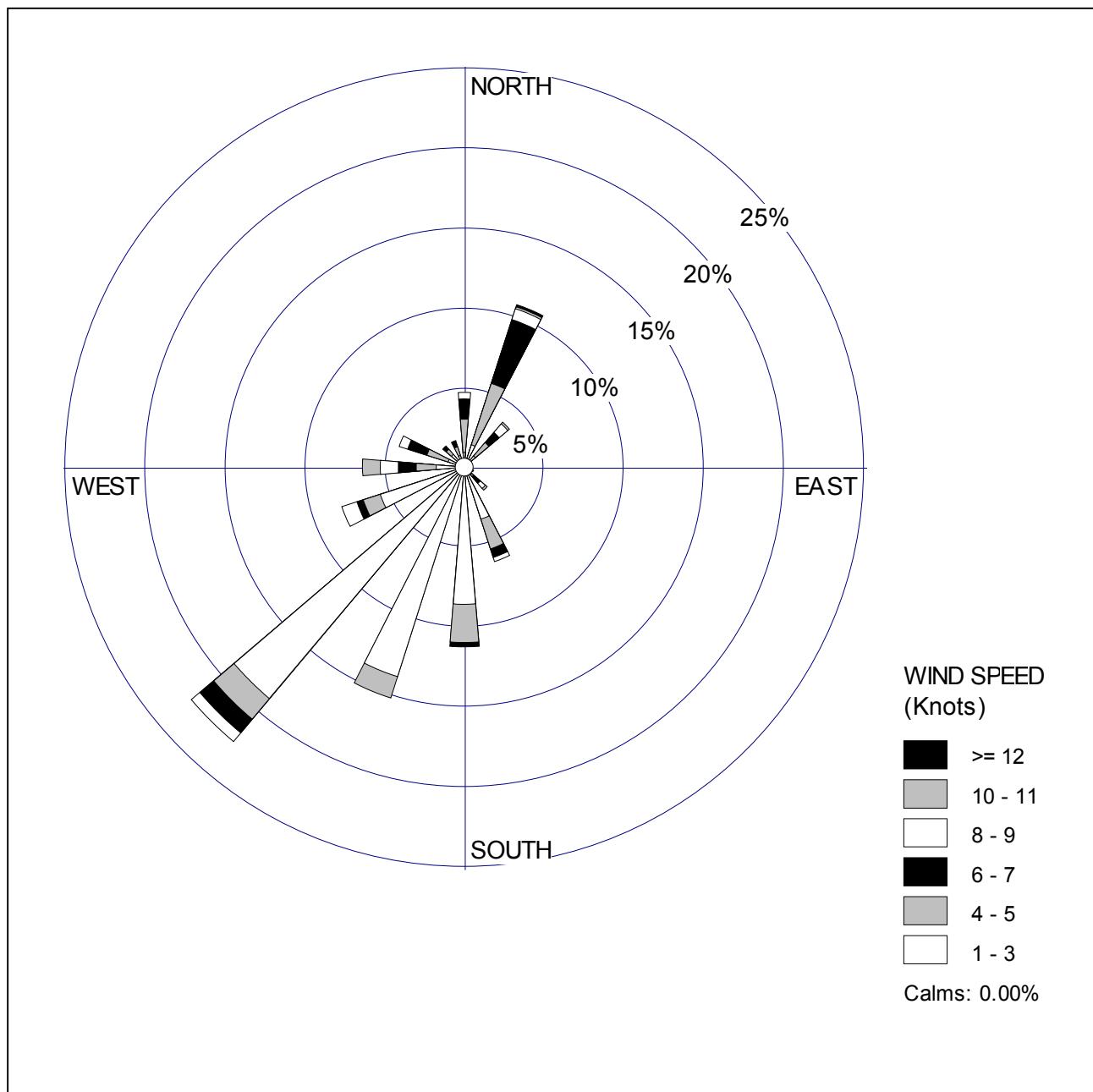


Figure 1. Wind Rose (percent of time blowing from indicated direction) for Opportunity EBAM Site September 2009.

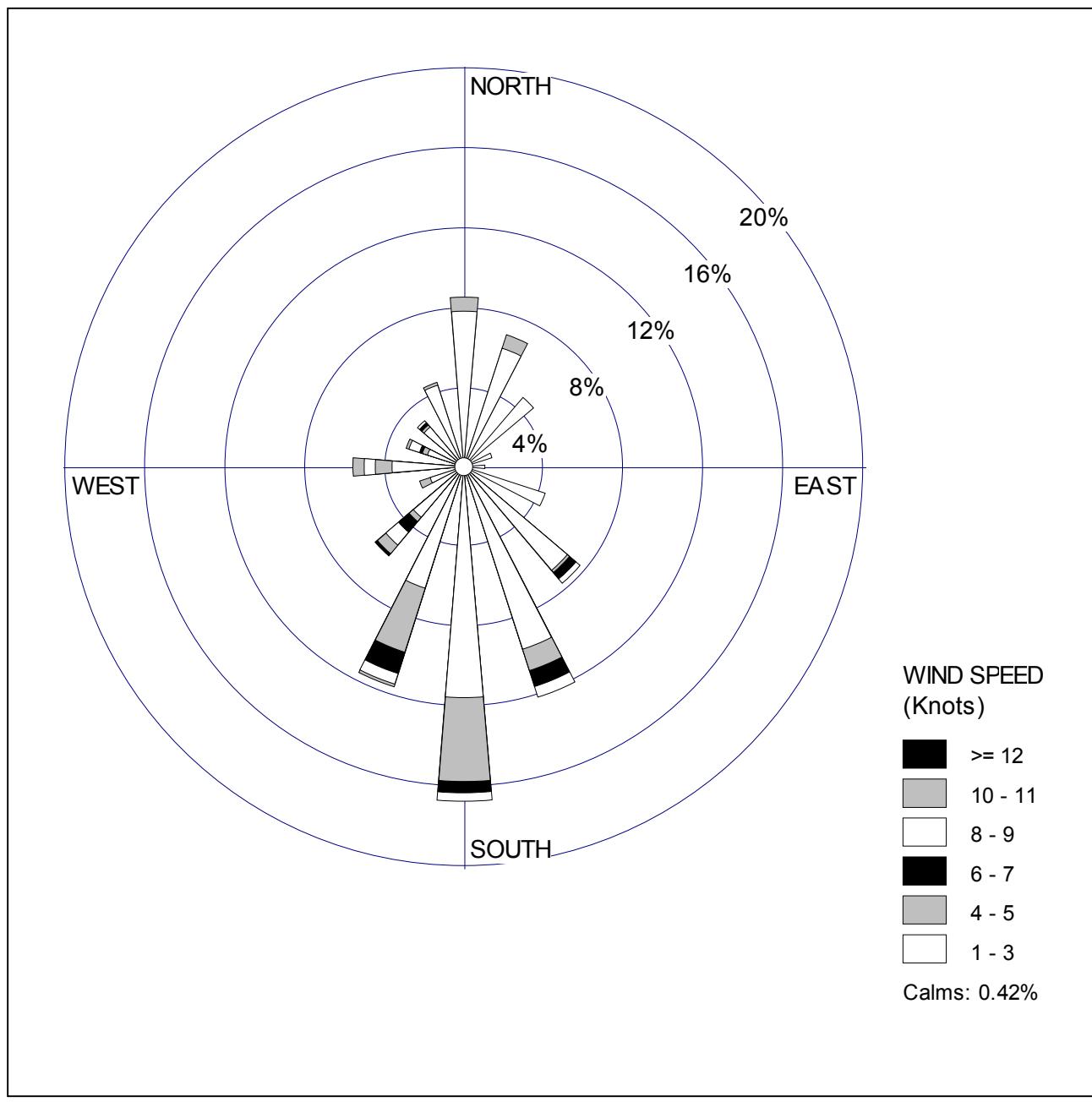


Figure 2. Wind Rose (percent of time blowing from indicated direction) for Warm Springs EBAM Site September 2009.

Table 5
Opportunity Site Hourly Average Data
Met One E-BAM
September 2009

| Date & Time Mountain Standard Time (data for hour ending) | TSP Hourly (µg/m³) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|--------------------------|---|--|--|--|---|--|
| 9/1/2009 1:00 | 18 | 0.9 | 2.0 | 181 | 13.3 | 55.9 | 80 |
| 9/1/2009 2:00 | -5 | 1.3 | 2.9 | 185 | 14.1 | 57.4 | 72 |
| 9/1/2009 3:00 | 16 | 1.0 | 2.2 | 187 | 13.5 | 56.3 | 76 |
| 9/1/2009 4:00 | 10 | 1.0 | 2.2 | 175 | 13.6 | 56.5 | 75 |
| 9/1/2009 5:00 | 13 | 1.4 | 3.1 | 163 | 14.0 | 57.2 | 70 |
| 9/1/2009 6:00 | -5 | 1.2 | 2.7 | 161 | 12.6 | 54.7 | 74 |
| 9/1/2009 7:00 | 13 | 1.3 | 2.9 | 196 | 13.6 | 56.5 | 67 |
| 9/1/2009 8:00 | 19 | 1.4 | 3.1 | 182 | 14.7 | 58.5 | 66 |
| 9/1/2009 9:00 | 22 | 1.6 | 3.6 | 186 | 17.4 | 63.3 | 58 |
| 9/1/2009 10:00 | 19 | 1.6 | 3.6 | 194 | 20.2 | 68.4 | 48 |
| 9/1/2009 11:00 | 14 | 1.4 | 3.1 | 210 | 22.5 | 72.5 | 40 |
| 9/1/2009 12:00 | 19 | 1.8 | 4.0 | 119 | 24.6 | 76.3 | 35 |
| 9/1/2009 13:00 | 10 | 1.6 | 3.6 | 97 | 26.0 | 78.8 | 31 |
| 9/1/2009 14:00 | 12 | 1.8 | 4.0 | 102 | 26.9 | 80.4 | 29 |
| 9/1/2009 15:00 | 10 | 1.4 | 3.1 | 114 | 28.1 | 82.6 | 26 |
| 9/1/2009 16:00 | 15 | 1.3 | 2.9 | 170 | 28.2 | 82.8 | 28 |
| 9/1/2009 17:00 | 14 | 0.5 | 1.1 | 194 | 26.6 | 79.9 | 35 |
| 9/1/2009 18:00 | 15 | 1.1 | 2.5 | 185 | 25.0 | 77.0 | 35 |
| 9/1/2009 19:00 | 18 | 1.0 | 2.2 | 231 | 22.3 | 72.1 | 52 |
| 9/1/2009 20:00 | 7 | 1.1 | 2.5 | 185 | 17.7 | 63.9 | 67 |
| 9/1/2009 21:00 | 10 | 1.3 | 2.9 | 192 | 16.7 | 62.1 | 68 |
| 9/1/2009 22:00 | 6 | 1.3 | 2.9 | 356 | 18.1 | 64.6 | 56 |
| 9/1/2009 23:00 | 17 | 1.8 | 4.0 | 30 | 18.8 | 65.8 | 53 |
| 9/2/2009 0:00 | 8 | 1.1 | 2.5 | 241 | 14.5 | 58.1 | 68 |
| 9/2/2009 1:00 | -5 | 0.7 | 1.6 | 171 | 11.3 | 52.3 | 80 |
| 9/2/2009 2:00 | -1 | 1 | 2.2 | 231 | 11.1 | 52.0 | 80 |
| 9/2/2009 3:00 | 18 | 1.0 | 2.2 | 219 | 10.6 | 51.1 | 80 |
| 9/2/2009 4:00 | 5 | 1.2 | 2.7 | 235 | 9.5 | 49.1 | 82 |
| 9/2/2009 5:00 | 9 | 1.0 | 2.2 | 215 | 11.2 | 52.2 | 75 |
| 9/2/2009 6:00 | 11 | 1.2 | 2.7 | 202 | 10.6 | 51.1 | 77 |
| 9/2/2009 7:00 | 13 | 1.6 | 3.6 | 195 | 11.4 | 52.5 | 72 |
| 9/2/2009 8:00 | 16 | 1.5 | 3.4 | 205 | 14.1 | 57.4 | 63 |
| 9/2/2009 9:00 | 19 | 2.2 | 4.9 | 179 | 17.3 | 63.1 | 54 |
| 9/2/2009 10:00 | 29 | 2.0 | 4.5 | 180 | 20.9 | 69.6 | 46 |
| 9/2/2009 11:00 | 31 | 1.6 | 3.6 | 183 | 24.7 | 76.5 | 34 |
| 9/2/2009 12:00 | 44 | 1.7 | 3.8 | 171 | 27.4 | 81.3 | 26 |
| 9/2/2009 13:00 | 19 | 1.9 | 4.3 | 215 | 28.8 | 83.8 | 21 |
| 9/2/2009 14:00 | 22 | 1.9 | 4.3 | 186 | 29.9 | 85.8 | 19 |
| 9/2/2009 15:00 | 34 | 1.8 | 4.0 | 227 | 29.8 | 85.6 | 19 |
| 9/2/2009 16:00 | 32 | 1.0 | 2.2 | 254 | 28.2 | 82.8 | 23 |
| 9/2/2009 17:00 | 24 | 1.3 | 2.9 | 209 | 29.9 | 85.8 | 18 |
| 9/2/2009 18:00 | 20 | 1.1 | 2.5 | 263 | 26.7 | 80.1 | 30 |
| 9/2/2009 19:00 | 17 | 1.2 | 2.7 | 244 | 22.6 | 72.7 | 45 |
| 9/2/2009 20:00 | 27 | 1.0 | 2.2 | 183 | 17.9 | 64.2 | 57 |
| 9/2/2009 21:00 | 14 | 1.1 | 2.5 | 217 | 15.6 | 60.1 | 60 |
| 9/2/2009 22:00 | 19 | 1.3 | 2.9 | 225 | 14.0 | 57.2 | 61 |
| 9/2/2009 23:00 | 14 | 1.0 | 2.2 | 206 | 12.8 | 55.0 | 65 |
| 9/3/2009 0:00 | 4 | 0.9 | 2.0 | 205 | 12.0 | 53.6 | 68 |
| 9/3/2009 1:00 | 10 | 1.8 | 4.0 | 188 | 16.6 | 61.9 | 49 |
| 9/3/2009 2:00 | 19 | 2.1 | 4.7 | 233 | 19.8 | 67.6 | 39 |
| 9/3/2009 3:00 | 5 | 1.2 | 2.7 | 209 | 15.9 | 60.6 | 53 |
| 9/3/2009 4:00 | 7 | 1.4 | 3.1 | 229 | 14.8 | 58.6 | 55 |
| 9/3/2009 5:00 | 9 | 1.8 | 4.0 | 193 | 14.9 | 58.8 | 54 |
| 9/3/2009 6:00 | 18 | 2.0 | 4.5 | 193 | 14.2 | 57.6 | 56 |
| 9/3/2009 7:00 | 24 | 2.2 | 4.9 | 181 | 14.7 | 58.5 | 54 |
| 9/3/2009 8:00 | 29 | 1.9 | 4.3 | 180 | 16.3 | 61.3 | 50 |
| 9/3/2009 9:00 | 27 | 2.0 | 4.5 | 187 | 19.1 | 66.4 | 44 |
| 9/3/2009 10:00 | 47 | 1.9 | 4.3 | 183 | 22.8 | 73.0 | 37 |
| 9/3/2009 11:00 | 23 | 2.4 | 5.4 | 160 | 26.7 | 80.1 | 28 |
| 9/3/2009 12:00 | 36 | 1.8 | 4.0 | 204 | 28.1 | 82.6 | 23 |
| 9/3/2009 13:00 | 43 | 2.9 | 6.5 | 227 | 28.4 | 83.1 | 20 |
| 9/3/2009 14:00 | 56 | 4.1 | 9.2 | 237 | 28.4 | 83.1 | 18 |
| 9/3/2009 15:00 | 51 | 3.9 | 8.7 | 241 | 28.5 | 83.3 | 19 |
| 9/3/2009 16:00 | 79 | 4.7 | 10.5 | 238 | 28.6 | 83.5 | 18 |
| 9/3/2009 17:00 | 36 | 3.8 | 8.5 | 236 | 28.5 | 83.3 | 18 |
| 9/3/2009 18:00 | 26 | 2.5 | 5.6 | 230 | 27.9 | 82.2 | 19 |
| 9/3/2009 19:00 | 36 | 1.0 | 2.2 | 169 | 23.8 | 74.8 | 29 |
| 9/3/2009 20:00 | 47 | 0.9 | 2.0 | 199 | 20.0 | 68.0 | 38 |
| 9/3/2009 21:00 | 18 | 1.0 | 2.2 | 301 | 20.5 | 68.9 | 38 |
| 9/3/2009 22:00 | 30 | 2.2 | 4.9 | 353 | 19.4 | 66.9 | 45 |
| 9/3/2009 23:00 | 34 | 2.7 | 6.0 | 338 | 18.1 | 64.6 | 50 |
| 9/4/2009 0:00 | 33 | 2.2 | 4.9 | 289 | 16.1 | 61.0 | 55 |
| 9/4/2009 1:00 | 35 | 1.8 | 4.0 | 257 | 14.4 | 57.9 | 59 |
| 9/4/2009 2:00 | 28 | 1.7 | 3.8 | 254 | 13.0 | 55.4 | 63 |
| 9/4/2009 3:00 | 29 | 0.7 | 1.6 | 225 | 9.7 | 49.5 | 76 |
| 9/4/2009 4:00 | -3 | 0.7 | 1.6 | 168 | 7.9 | 46.2 | 84 |
| 9/4/2009 5:00 | 17 | 0.6 | 1.3 | 219 | 7.4 | 45.3 | 85 |
| 9/4/2009 6:00 | 27 | 0.9 | 2.0 | 230 | 7.6 | 45.7 | 83 |
| 9/4/2009 7:00 | 32 | 0.8 | 1.8 | 205 | 8.6 | 47.5 | 78 |
| 9/4/2009 8:00 | 22 | 1.1 | 2.5 | 180 | 12.1 | 53.8 | 62 |

| Date & Time Mountain Standard Time (data for hour ending) | TSP Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|--------------------------|---|--|--|--|---|--|
| 9/4/2009 9:00 | 22 | 1.2 | 2.7 | 159 | 15.8 | 60.4 | 52 |
| 9/4/2009 10:00 | 24 | 1.1 | 2.5 | 176 | 18.7 | 65.7 | 45 |
| 9/4/2009 11:00 | 110 | 2.1 | 4.7 | 27 | 20.5 | 68.9 | 42 |
| 9/4/2009 12:00 | 83 | 2.4 | 5.4 | 35 | 22.3 | 72.1 | 37 |
| 9/4/2009 13:00 | 36 | 2.2 | 4.9 | 46 | 25.1 | 77.2 | 26 |
| 9/4/2009 14:00 | 41 | 2.1 | 4.7 | 114 | 27.1 | 80.8 | 21 |
| 9/4/2009 15:00 | 45 | 2.1 | 4.7 | 40 | 28.5 | 83.3 | 17 |
| 9/4/2009 16:00 | 13 | 2.5 | 5.6 | 54 | 28.5 | 83.3 | 18 |
| 9/4/2009 17:00 | 43 | 3.6 | 8.1 | 19 | 27.3 | 81.1 | 20 |
| 9/4/2009 18:00 | 29 | 3.7 | 8.3 | 3 | 25.2 | 77.4 | 25 |
| 9/4/2009 19:00 | 14 | 1.8 | 4.0 | 323 | 23.1 | 73.6 | 30 |
| 9/4/2009 20:00 | 35 | 1.0 | 2.2 | 223 | 17.1 | 62.8 | 49 |
| 9/4/2009 21:00 | 37 | 1.0 | 2.2 | 230 | 15.5 | 59.9 | 53 |
| 9/4/2009 22:00 | 26 | 1.0 | 2.2 | 215 | 13.9 | 57.0 | 56 |
| 9/4/2009 23:00 | 12 | 1.4 | 3.1 | 220 | 12.0 | 53.6 | 61 |
| 9/5/2009 0:00 | 19 | 1.2 | 2.7 | 215 | 11.4 | 52.5 | 61 |
| 9/5/2009 1:00 | 14 | 1.1 | 2.5 | 220 | 9.3 | 48.7 | 70 |
| 9/5/2009 2:00 | 16 | 1.1 | 2.5 | 232 | 8.7 | 47.7 | 71 |
| 9/5/2009 3:00 | 2 | 1.1 | 2.5 | 232 | 8.2 | 46.8 | 73 |
| 9/5/2009 4:00 | 12 | 0.8 | 1.8 | 227 | 8.2 | 46.8 | 74 |
| 9/5/2009 5:00 | 16 | 1.5 | 3.4 | 229 | 8.3 | 46.9 | 73 |
| 9/5/2009 6:00 | 17 | 0.8 | 1.8 | 182 | 8.5 | 47.3 | 72 |
| 9/5/2009 7:00 | 30 | 0.8 | 1.8 | 207 | 7.5 | 45.5 | 77 |
| 9/5/2009 8:00 | 35 | 1.5 | 3.4 | 216 | 13 | 55.4 | 57 |
| 9/5/2009 9:00 | 24 | 1.6 | 3.6 | 199 | 17.7 | 63.9 | 45 |
| 9/5/2009 10:00 | 42 | 1.9 | 4.3 | 182 | 22.6 | 72.7 | 35 |
| 9/5/2009 11:00 | 21 | 3.4 | 7.6 | 138 | 27.0 | 80.6 | 26 |
| 9/5/2009 12:00 | 49 | 5.1 | 11.4 | 131 | 28.5 | 83.3 | 22 |
| 9/5/2009 13:00 | 34 | 2.0 | 4.5 | 195 | 29.0 | 84.2 | 22 |
| 9/5/2009 14:00 | 68 | 3.6 | 8.1 | 170 | 28.3 | 82.9 | 23 |
| 9/5/2009 15:00 | 38 | 2.4 | 5.4 | 237 | 26.0 | 78.8 | 32 |
| 9/5/2009 16:00 | 24 | 3.7 | 8.3 | 243 | 20.9 | 69.6 | 48 |
| 9/5/2009 17:00 | 11 | 1.3 | 2.9 | 287 | 22.3 | 72.1 | 49 |
| 9/5/2009 18:00 | 37 | 1.1 | 2.5 | 263 | 22.4 | 72.3 | 51 |
| 9/5/2009 19:00 | 42 | 0.9 | 2.0 | 246 | 18.6 | 65.5 | 66 |
| 9/5/2009 20:00 | 28 | 1.1 | 2.5 | 192 | 16.1 | 61.0 | 75 |
| 9/5/2009 21:00 | 50 | 2.7 | 6.0 | 250 | 16.3 | 61.3 | 68 |
| 9/5/2009 22:00 | 38 | 3.2 | 7.2 | 305 | 17.5 | 63.5 | 63 |
| 9/5/2009 23:00 | -5 | 1.5 | 3.4 | 300 | 15.9 | 60.6 | 70 |
| 9/6/2009 0:00 | 15 | 1.7 | 3.8 | 208 | 13.8 | 56.8 | 80 |
| 9/6/2009 1:00 | 26 | 0.8 | 1.8 | 164 | 11.4 | 52.5 | 89 |
| 9/6/2009 2:00 | 12 | 0.9 | 2.0 | 211 | 10.7 | 51.3 | 88 |
| 9/6/2009 3:00 | -5 | 0.8 | 1.8 | 227 | 9.3 | 48.7 | 90 |
| 9/6/2009 4:00 | 12 | 0.9 | 2.0 | 206 | 9.2 | 48.6 | 90 |
| 9/6/2009 5:00 | 4 | 1.3 | 2.9 | 191 | 9.4 | 48.9 | 87 |
| 9/6/2009 6:00 | -5 | 1.5 | 3.4 | 220 | 9.2 | 48.6 | 87 |
| 9/6/2009 7:00 | 17 | 0.8 | 1.8 | 212 | 11.1 | 52.0 | 81 |
| 9/6/2009 8:00 | 47 | 1.1 | 2.5 | 219 | 13.8 | 56.8 | 70 |
| 9/6/2009 9:00 | 28 | 1.1 | 2.5 | 181 | 17.6 | 63.7 | 61 |
| 9/6/2009 10:00 | 15 | 0.9 | 2.0 | 208 | 19.8 | 67.6 | 55 |
| 9/6/2009 11:00 | 10 | 1.3 | 2.9 | 221 | 23.2 | 73.8 | 41 |
| 9/6/2009 12:00 | 27 | 2.6 | 5.8 | 220 | 25.0 | 77.0 | 30 |
| 9/6/2009 13:00 | 27 | 4.1 | 9.2 | 240 | 24.4 | 75.9 | 27 |
| 9/6/2009 14:00 | 303 | 4.2 | 9.4 | 295 | 24.2 | 75.6 | 32 |
| 9/6/2009 15:00 | 101 | 6.1 | 13.6 | 24 | 20.3 | 68.5 | 50 |
| 9/6/2009 16:00 | 135 | 5.9 | 13.2 | 29 | 19.1 | 66.4 | 51 |
| 9/6/2009 17:00 | 63 | 5.1 | 11.4 | 34 | 18.0 | 64.4 | 51 |
| 9/6/2009 18:00 | 72 | 4.7 | 10.5 | 41 | 17.4 | 63.3 | 51 |
| 9/6/2009 19:00 | 34 | 3.9 | 8.7 | 26 | 16.6 | 61.9 | 52 |
| 9/6/2009 20:00 | 34 | 3.1 | 6.9 | 30 | 15.3 | 59.5 | 56 |
| 9/6/2009 21:00 | 28 | 3.2 | 7.2 | 36 | 14.2 | 57.6 | 58 |
| 9/6/2009 22:00 | 24 | 3.3 | 7.4 | 30 | 13.2 | 55.8 | 59 |
| 9/6/2009 23:00 | 11 | 3.3 | 7.4 | 40 | 12.5 | 54.5 | 58 |
| 9/7/2009 0:00 | 37 | 2.3 | 5.1 | 348 | 11.1 | 52.0 | 58 |
| 9/7/2009 1:00 | 27 | 1.5 | 3.4 | 257 | 8.8 | 47.8 | 66 |
| 9/7/2009 2:00 | 4 | 1.3 | 2.9 | 237 | 7.7 | 45.9 | 70 |
| 9/7/2009 3:00 | 17 | 0.9 | 2.0 | 195 | 5.1 | 41.2 | 80 |
| 9/7/2009 4:00 | 0 | 0.6 | 1.3 | 248 | 3.2 | 37.8 | 87 |
| 9/7/2009 5:00 | 13 | 0.5 | 1.1 | 138 | 2.3 | 36.1 | 89 |
| 9/7/2009 6:00 | 3 | 0.8 | 1.8 | 238 | 1.8 | 35.2 | 90 |
| 9/7/2009 7:00 | 19 | 0.7 | 1.6 | 236 | 1.8 | 35.2 | 88 |
| 9/7/2009 8:00 | 20 | 1.0 | 2.2 | 208 | 6.0 | 42.8 | 72 |
| 9/7/2009 9:00 | 9 | 2.1 | 4.7 | 18 | 9.7 | 49.5 | 62 |
| 9/7/2009 10:00 | 32 | 2.6 | 5.8 | 21 | 11.7 | 53.1 | 57 |
| 9/7/2009 11:00 | 139 | 3.3 | 7.4 | 15 | 12.7 | 54.9 | 54 |
| 9/7/2009 12:00 | 34 | 3.1 | 6.9 | 8 | 14.1 | 57.4 | 49 |
| 9/7/2009 13:00 | 13 | 2.3 | 5.1 | 353 | 15.2 | 59.4 | 45 |
| 9/7/2009 14:00 | 110 | 3.1 | 6.9 | 24 | 16.6 | 61.9 | 42 |
| 9/7/2009 15:00 | 66 | 3.7 | 8.3 | 2 | 16.7 | 62.1 | 40 |
| 9/7/2009 16:00 | 39 | 4.4 | 9.8 | 14 | 16.5 | 61.7 | 37 |
| 9/7/2009 17:00 | 38 | 4.4 | 9.8 | 17 | 15.4 | 59.7 | 37 |
| 9/7/2009 18:00 | 42 | 4.7 | 10.5 | 37 | 13.5 | 56.3 | 44 |
| 9/7/2009 19:00 | 25 | 4.7 | 10.5 | 40 | 12.3 | 54.1 | 48 |
| 9/7/2009 20:00 | 11 | 3.8 | 8.5 | 32 | 10.5 | 50.9 | 51 |
| 9/7/2009 21:00 | 12 | 3.3 | 7.4 | 37 | 9.9 | 49.8 | 53 |
| 9/7/2009 22:00 | 9 | 1.9 | 4.3 | 329 | 8.3 | 46.9 | 57 |

| Date & Time Mountain Standard Time (data for hour ending) | TSP Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|--------------------------|---|--|--|--|---|--|
| 9/7/2009 23:00 | 4 | 1.1 | 2.5 | 270 | 6.3 | 43.3 | 64 |
| 9/8/2009 0:00 | 1 | 0.9 | 2.0 | 228 | 3.2 | 37.8 | 76 |
| 9/8/2009 1:00 | -2 | 0.8 | 1.8 | 209 | 1.2 | 34.2 | 83 |
| 9/8/2009 2:00 | 12 | 0.9 | 2.0 | 220 | 0.9 | 33.6 | 82 |
| 9/8/2009 3:00 | 1 | 0.9 | 2.0 | 219 | -0.4 | 31.3 | 84 |
| 9/8/2009 4:00 | -5 | 1.0 | 2.2 | 183 | -1.2 | 29.8 | 85 |
| 9/8/2009 5:00 | 8 | 1.4 | 3.1 | 187 | -0.5 | 31.1 | 83 |
| 9/8/2009 6:00 | 17 | 1.1 | 2.5 | 203 | -0.3 | 31.5 | 82 |
| 9/8/2009 7:00 | 4 | 1.3 | 2.9 | 171 | 0.5 | 32.9 | 77 |
| 9/8/2009 8:00 | 14 | 1.2 | 2.7 | 188 | 5.3 | 41.5 | 61 |
| 9/8/2009 9:00 | 5 | 1.7 | 3.8 | 211 | 9.1 | 48.4 | 51 |
| 9/8/2009 10:00 | 13 | 2.1 | 4.7 | 219 | 11.2 | 52.2 | 42 |
| 9/8/2009 11:00 | 14 | 1.9 | 4.3 | 206 | 13.2 | 55.8 | 34 |
| 9/8/2009 12:00 | 28 | 2.2 | 4.9 | 236 | 14.8 | 58.6 | 32 |
| 9/8/2009 13:00 | 22 | 2.2 | 4.9 | 219 | 16.8 | 62.2 | 28 |
| 9/8/2009 14:00 | 22 | 1.9 | 4.3 | 299 | 18.1 | 64.6 | 25 |
| 9/8/2009 15:00 | 14 | 1.6 | 3.6 | 18 | 19.1 | 66.4 | 21 |
| 9/8/2009 16:00 | 13 | 1.7 | 3.8 | 270 | 20.1 | 68.2 | 18 |
| 9/8/2009 17:00 | 8 | 2.0 | 4.5 | 263 | 20.1 | 68.2 | 16 |
| 9/8/2009 18:00 | 38 | 2.1 | 4.7 | 350 | 19.2 | 66.6 | 19 |
| 9/8/2009 19:00 | 22 | 1.3 | 2.9 | 346 | 16.4 | 61.5 | 29 |
| 9/8/2009 20:00 | 5 | 1.2 | 2.7 | 280 | 11.8 | 53.2 | 39 |
| 9/8/2009 21:00 | 18 | 1.4 | 3.1 | 234 | 9.4 | 48.9 | 45 |
| 9/8/2009 22:00 | 13 | 0.6 | 1.3 | 175 | 4.6 | 40.3 | 63 |
| 9/8/2009 23:00 | 5 | 0.7 | 1.6 | 204 | 3.6 | 38.5 | 67 |
| 9/9/2009 0:00 | 0 | 0.9 | 2.0 | 222 | 2.9 | 37.2 | 69 |
| 9/9/2009 1:00 | 6 | 0.7 | 1.6 | 229 | 1.3 | 34.3 | 73 |
| 9/9/2009 2:00 | 5 | 1.2 | 2.7 | 219 | 0.8 | 33.4 | 73 |
| 9/9/2009 3:00 | 2 | 1.3 | 2.9 | 217 | 1.6 | 34.9 | 66 |
| 9/9/2009 4:00 | 7 | 1.2 | 2.7 | 229 | 3.0 | 37.4 | 59 |
| 9/9/2009 5:00 | 1 | 1.0 | 2.2 | 192 | 2.0 | 35.6 | 62 |
| 9/9/2009 6:00 | 7 | 1.1 | 2.5 | 207 | 1.8 | 35.2 | 63 |
| 9/9/2009 7:00 | 16 | 1.4 | 3.1 | 202 | 3.0 | 37.4 | 55 |
| 9/9/2009 8:00 | 34 | 1.7 | 3.8 | 217 | 6.5 | 43.7 | 46 |
| 9/9/2009 9:00 | 43 | 1.6 | 3.6 | 221 | 10.7 | 51.3 | 37 |
| 9/9/2009 10:00 | 25 | 2.0 | 4.5 | 181 | 16.6 | 61.9 | 24 |
| 9/9/2009 11:00 | 38 | 2.5 | 5.6 | 209 | 18.9 | 66.0 | 19 |
| 9/9/2009 12:00 | 44 | 3.6 | 8.1 | 227 | 20.5 | 68.9 | 17 |
| 9/9/2009 13:00 | 14 | 2.0 | 4.5 | 222 | 23.0 | 73.4 | 16 |
| 9/9/2009 14:00 | 16 | 2.4 | 5.4 | 237 | 24.3 | 75.7 | 14 |
| 9/9/2009 15:00 | 29 | 2.0 | 4.5 | 248 | 25.4 | 77.7 | 14 |
| 9/9/2009 16:00 | 57 | 3.6 | 8.1 | 339 | 24.9 | 76.8 | 16 |
| 9/9/2009 17:00 | 58 | 4.4 | 9.8 | 29 | 22.9 | 73.2 | 20 |
| 9/9/2009 18:00 | 32 | 3.4 | 7.6 | 30 | 21.2 | 70.2 | 25 |
| 9/9/2009 19:00 | 12 | 1.6 | 3.6 | 39 | 19.6 | 67.3 | 29 |
| 9/9/2009 20:00 | 24 | 2.0 | 4.5 | 252 | 16.0 | 60.8 | 39 |
| 9/9/2009 21:00 | 17 | 1.1 | 2.5 | 235 | 13.3 | 55.9 | 48 |
| 9/9/2009 22:00 | 10 | 1.0 | 2.2 | 220 | 11.0 | 51.8 | 55 |
| 9/9/2009 23:00 | 12 | 0.9 | 2.0 | 222 | 10.0 | 50.0 | 58 |
| 9/10/2009 0:00 | 9 | 1.2 | 2.7 | 209 | 8.3 | 46.9 | 62 |
| 9/10/2009 1:00 | 4 | 1.1 | 2.5 | 187 | 6.3 | 43.3 | 67 |
| 9/10/2009 2:00 | 11 | 1.3 | 2.9 | 240 | 6.4 | 43.5 | 66 |
| 9/10/2009 3:00 | 6 | 0.9 | 2.0 | 231 | 5.8 | 42.4 | 69 |
| 9/10/2009 4:00 | 7 | 1.2 | 2.7 | 206 | 5.2 | 41.4 | 72 |
| 9/10/2009 5:00 | 3 | 1.2 | 2.7 | 204 | 5.9 | 42.6 | 67 |
| 9/10/2009 6:00 | 30 | 1.4 | 3.1 | 192 | 5.7 | 42.3 | 68 |
| 9/10/2009 7:00 | 25 | 1.1 | 2.5 | 224 | 5.8 | 42.4 | 68 |
| 9/10/2009 8:00 | 24 | 1.1 | 2.5 | 220 | 7.4 | 45.3 | 65 |
| 9/10/2009 9:00 | 13 | 0.9 | 2.0 | 130 | 12.5 | 54.5 | 49 |
| 9/10/2009 10:00 | 21 | 1.3 | 2.9 | 129 | 16.5 | 61.7 | 40 |
| 9/10/2009 11:00 | 31 | 2.1 | 4.7 | 252 | 20.4 | 68.7 | 28 |
| 9/10/2009 12:00 | 46 | 2.4 | 5.4 | 297 | 21.0 | 69.8 | 27 |
| 9/10/2009 13:00 | 99 | 3.1 | 6.9 | 38 | 20.1 | 68.2 | 33 |
| 9/10/2009 14:00 | 158 | 3.5 | 7.8 | 27 | 20.5 | 68.9 | 30 |
| 9/10/2009 15:00 | 102 | 3.9 | 8.7 | 21 | 21.8 | 71.2 | 26 |
| 9/10/2009 16:00 | 39 | 2.7 | 6.0 | 27 | 22.1 | 71.8 | 24 |
| 9/10/2009 17:00 | 25 | 2.1 | 4.7 | 348 | 22.4 | 72.3 | 24 |
| 9/10/2009 18:00 | 136 | 4.2 | 9.4 | 29 | 22.4 | 72.3 | 21 |
| 9/10/2009 19:00 | 19 | 2.7 | 6.0 | 39 | 19.7 | 67.5 | 28 |
| 9/10/2009 20:00 | 51 | 1.2 | 2.7 | 287 | 15.3 | 59.5 | 40 |
| 9/10/2009 21:00 | 28 | 0.7 | 1.6 | 263 | 12.8 | 55.0 | 46 |
| 9/10/2009 22:00 | 22 | 1.0 | 2.2 | 255 | 10.9 | 51.6 | 52 |
| 9/10/2009 23:00 | 24 | 1.0 | 2.2 | 228 | 7.3 | 45.1 | 66 |
| 9/11/2009 0:00 | 13 | 0.7 | 1.6 | 197 | 5.5 | 41.9 | 75 |
| 9/11/2009 1:00 | 18 | 0.8 | 1.8 | 226 | 4.3 | 39.7 | 78 |
| 9/11/2009 2:00 | 17 | 1.0 | 2.2 | 237 | 3.5 | 38.3 | 79 |
| 9/11/2009 3:00 | 12 | 0.9 | 2.0 | 237 | 2.6 | 36.7 | 83 |
| 9/11/2009 4:00 | 25 | 1.1 | 2.5 | 229 | 2.7 | 36.9 | 82 |
| 9/11/2009 5:00 | 7 | 0.8 | 1.8 | 232 | 1.6 | 34.9 | 85 |
| 9/11/2009 6:00 | 59 | 0.8 | 1.8 | 199 | 3.0 | 37.4 | 80 |
| 9/11/2009 7:00 | 54 | 1.0 | 2.2 | 203 | 3.1 | 37.6 | 78 |
| 9/11/2009 8:00 | 52 | 1.3 | 2.9 | 156 | 6.8 | 44.2 | 64 |
| 9/11/2009 9:00 | 25 | 1.1 | 2.5 | 195 | 11.3 | 52.3 | 53 |
| 9/11/2009 10:00 | 30 | 1 | 2.2 | 231 | 15.5 | 59.9 | 41 |
| 9/11/2009 11:00 | 21 | 1.2 | 2.7 | 249 | 17.9 | 64.2 | 33 |

| Date & Time Mountain Standard Time (data for hour ending) | TSP Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|--------------------------|---|--|--|--|---|--|
| 9/11/2009 12:00 | 39 | 1.6 | 3.6 | 333 | 19.6 | 67.3 | 30 |
| 9/11/2009 13:00 | 49 | 1.8 | 4.0 | 35 | 21.5 | 70.7 | 27 |
| 9/11/2009 14:00 | 44 | 1.5 | 3.4 | 26 | 22.7 | 72.9 | 25 |
| 9/11/2009 15:00 | 37 | 1.9 | 4.3 | 38 | 23.2 | 73.8 | 25 |
| 9/11/2009 16:00 | 33 | 1.5 | 3.4 | 30 | 23.6 | 74.5 | 25 |
| 9/11/2009 17:00 | 18 | 1.6 | 3.6 | 20 | 23.9 | 75.0 | 25 |
| 9/11/2009 18:00 | 29 | 2.1 | 4.7 | 8 | 22.9 | 73.2 | 26 |
| 9/11/2009 19:00 | 17 | 1.2 | 2.7 | 22 | 19.9 | 67.8 | 34 |
| 9/11/2009 20:00 | 42 | 0.8 | 1.8 | 155 | 15.9 | 60.6 | 44 |
| 9/11/2009 21:00 | 52 | 0.6 | 1.3 | 217 | 10.8 | 51.4 | 61 |
| 9/11/2009 22:00 | 14 | 1.0 | 2.2 | 226 | 7.5 | 45.5 | 71 |
| 9/11/2009 23:00 | 39 | 0.7 | 1.6 | 219 | 5.6 | 42.1 | 76 |
| 9/12/2009 0:00 | -2 | 1.2 | 2.7 | 214 | 5.6 | 42.1 | 72 |
| 9/12/2009 1:00 | 16 | 0.9 | 2.0 | 226 | 3.3 | 37.9 | 79 |
| 9/12/2009 2:00 | 10 | 1.0 | 2.2 | 227 | 3.0 | 37.4 | 78 |
| 9/12/2009 3:00 | 6 | 0.8 | 1.8 | 236 | 2.0 | 35.6 | 82 |
| 9/12/2009 4:00 | 13 | 1.0 | 2.2 | 234 | 1.6 | 34.9 | 81 |
| 9/12/2009 5:00 | 6 | 1.0 | 2.2 | 238 | 1.2 | 34.2 | 83 |
| 9/12/2009 6:00 | 11 | 0.8 | 1.8 | 227 | 1.0 | 33.8 | 84 |
| 9/12/2009 7:00 | 25 | 1.0 | 2.2 | 238 | 1.6 | 34.9 | 81 |
| 9/12/2009 8:00 | 25 | 1.0 | 2.2 | 227 | 7.7 | 45.9 | 60 |
| 9/12/2009 9:00 | 26 | 1.1 | 2.5 | 213 | 12.7 | 54.9 | 46 |
| 9/12/2009 10:00 | 31 | 2.3 | 5.1 | 163 | 16.9 | 62.4 | 36 |
| 9/12/2009 11:00 | 19 | 3.1 | 6.9 | 139 | 19.6 | 67.3 | 30 |
| 9/12/2009 12:00 | 32 | 2.7 | 6.0 | 158 | 21.6 | 70.9 | 24 |
| 9/12/2009 13:00 | 31 | 2.3 | 5.1 | 176 | 23.2 | 73.8 | 19 |
| 9/12/2009 14:00 | 23 | 2.1 | 4.7 | 216 | 24.2 | 75.6 | 17 |
| 9/12/2009 15:00 | 25 | 2.0 | 4.5 | 244 | 25.5 | 77.9 | 12 |
| 9/12/2009 16:00 | 25 | 1.6 | 3.6 | 299 | 26.4 | 79.5 | 10 |
| 9/12/2009 17:00 | 108 | 1.9 | 4.3 | 34 | 26.2 | 79.2 | 12 |
| 9/12/2009 18:00 | 236 | 1.5 | 3.4 | 62 | 25.1 | 77.2 | 16 |
| 9/12/2009 19:00 | 43 | 0.9 | 2.0 | 215 | 20.5 | 68.9 | 28 |
| 9/12/2009 20:00 | 39 | 1.0 | 2.2 | 191 | 16.5 | 61.7 | 32 |
| 9/12/2009 21:00 | 12 | 1.2 | 2.7 | 223 | 13.6 | 56.5 | 39 |
| 9/12/2009 22:00 | 23 | 0.9 | 2.0 | 224 | 9.1 | 48.4 | 54 |
| 9/12/2009 23:00 | 10 | 1.2 | 2.7 | 234 | 8.3 | 46.9 | 55 |
| 9/13/2009 0:00 | 14 | 1.2 | 2.7 | 221 | 10.0 | 50.0 | 48 |
| 9/13/2009 1:00 | 18 | 1.3 | 2.9 | 238 | 8.6 | 47.5 | 53 |
| 9/13/2009 2:00 | 5 | 1.7 | 3.8 | 238 | 6.4 | 43.5 | 59 |
| 9/13/2009 3:00 | 12 | 1.2 | 2.7 | 222 | 4.8 | 40.6 | 67 |
| 9/13/2009 4:00 | 37 | 1.3 | 2.9 | 221 | 2.9 | 37.2 | 75 |
| 9/13/2009 5:00 | -5 | 0.8 | 1.8 | 222 | 2.2 | 36.0 | 78 |
| 9/13/2009 6:00 | 21 | 0.6 | 1.3 | 228 | 1.1 | 34.0 | 83 |
| 9/13/2009 7:00 | 32 | 1.1 | 2.5 | 190 | 2.6 | 36.7 | 73 |
| 9/13/2009 8:00 | 20 | 1.1 | 2.5 | 212 | 6.9 | 44.4 | 59 |
| 9/13/2009 9:00 | 14 | 1.6 | 3.6 | 179 | 13.1 | 55.6 | 46 |
| 9/13/2009 10:00 | 21 | 1.3 | 2.9 | 75 | 15.6 | 60.1 | 41 |
| 9/13/2009 11:00 | 14 | 1.4 | 3.1 | 85 | 18.0 | 64.4 | 32 |
| 9/13/2009 12:00 | 8 | 1.7 | 3.8 | 14 | 19.4 | 66.9 | 27 |
| 9/13/2009 13:00 | 18 | 2.3 | 5.1 | 28 | 20.8 | 69.4 | 26 |
| 9/13/2009 14:00 | 7 | 2.4 | 5.4 | 30 | 21.5 | 70.7 | 22 |
| 9/13/2009 15:00 | 15 | 2.6 | 5.8 | 15 | 22.5 | 72.5 | 22 |
| 9/13/2009 16:00 | 13 | 2.7 | 6.0 | 12 | 22.8 | 73.0 | 22 |
| 9/13/2009 17:00 | 12 | 2.6 | 5.8 | 6 | 22.8 | 73.0 | 22 |
| 9/13/2009 18:00 | 20 | 2.8 | 6.3 | 7 | 21.9 | 71.4 | 23 |
| 9/13/2009 19:00 | 17 | 2.2 | 4.9 | 352 | 19.5 | 67.1 | 31 |
| 9/13/2009 20:00 | 24 | 1.3 | 2.9 | 257 | 15.8 | 60.4 | 41 |
| 9/13/2009 21:00 | 22 | 1.0 | 2.2 | 220 | 11.3 | 52.3 | 55 |
| 9/13/2009 22:00 | 11 | 0.9 | 2.0 | 227 | 8.9 | 48.0 | 63 |
| 9/13/2009 23:00 | 6 | 1.0 | 2.2 | 213 | 7.9 | 46.2 | 67 |
| 9/14/2009 0:00 | 5 | 0.9 | 2.0 | 216 | 7 | 44.6 | 69 |
| 9/14/2009 1:00 | 6 | 1.4 | 3.1 | 228 | 7.0 | 44.6 | 68 |
| 9/14/2009 2:00 | 11 | 1.1 | 2.5 | 240 | 7.9 | 46.2 | 66 |
| 9/14/2009 3:00 | 2 | 1.1 | 2.5 | 236 | 8.7 | 47.7 | 62 |
| 9/14/2009 4:00 | 16 | 1.6 | 3.6 | 222 | 9.8 | 49.6 | 58 |
| 9/14/2009 5:00 | 10 | 1.4 | 3.1 | 215 | 9.3 | 48.7 | 59 |
| 9/14/2009 6:00 | 30 | 1.7 | 3.8 | 207 | 9.8 | 49.6 | 57 |
| 9/14/2009 7:00 | 28 | 1.9 | 4.3 | 204 | 10.3 | 50.5 | 56 |
| 9/14/2009 8:00 | 29 | 2.0 | 4.5 | 197 | 12.3 | 54.1 | 51 |
| 9/14/2009 9:00 | 40 | 2.0 | 4.5 | 179 | 14.8 | 58.6 | 46 |
| 9/14/2009 10:00 | 27 | 1.5 | 3.4 | 185 | 20.3 | 68.5 | 34 |
| 9/14/2009 11:00 | 90 | 2.4 | 5.4 | 28 | 21.7 | 71.1 | 34 |
| 9/14/2009 12:00 | 63 | 3.1 | 6.9 | 14 | 22.2 | 72.0 | 34 |
| 9/14/2009 13:00 | 164 | 3.2 | 7.2 | 24 | 23 | 73.4 | 33 |
| 9/14/2009 14:00 | 74 | 3.4 | 7.6 | 25 | 24.6 | 76.3 | 28 |
| 9/14/2009 15:00 | 138 | 3.4 | 7.6 | 24 | 25.2 | 77.4 | 26 |
| 9/14/2009 16:00 | 57 | 3.0 | 6.7 | 27 | 26.6 | 79.9 | 22 |
| 9/14/2009 17:00 | 49 | 3.5 | 7.8 | 31 | 26.4 | 79.5 | 22 |
| 9/14/2009 18:00 | 63 | 3.7 | 8.3 | 30 | 25.1 | 77.2 | 25 |
| 9/14/2009 19:00 | 20 | 2.4 | 5.4 | 49 | 22.9 | 73.2 | 30 |
| 9/14/2009 20:00 | 22 | 2.0 | 4.5 | 17 | 20.7 | 69.3 | 35 |
| 9/14/2009 21:00 | 20 | 1.3 | 2.9 | 264 | 18.3 | 64.9 | 42 |
| 9/14/2009 22:00 | 28 | 0.9 | 2.0 | 229 | 17.3 | 63.1 | 49 |
| 9/14/2009 23:00 | 10 | 0.9 | 2.0 | 217 | 14.0 | 57.2 | 61 |
| 9/15/2009 0:00 | 16 | 1.1 | 2.5 | 243 | 13.3 | 55.9 | 60 |

| Date & Time Mountain Standard Time (data for hour ending) | TSP Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|--------------------------|---|--|--|--|---|--|
| 9/15/2009 1:00 | 14 | 0.9 | 2.0 | 210 | 11.0 | 51.8 | 68 |
| 9/15/2009 2:00 | -1 | 1 | 2.2 | 234 | 9.8 | 49.6 | 72 |
| 9/15/2009 3:00 | 17 | 1.0 | 2.2 | 208 | 8.6 | 47.5 | 75 |
| 9/15/2009 4:00 | 30 | 0.9 | 2.0 | 235 | 7.7 | 45.9 | 80 |
| 9/15/2009 5:00 | 1 | 0.6 | 1.3 | 223 | 8.7 | 47.7 | 79 |
| 9/15/2009 6:00 | 16 | 1.0 | 2.2 | 229 | 9.7 | 49.5 | 74 |
| 9/15/2009 7:00 | 7 | 0.6 | 1.3 | 230 | 10.1 | 50.2 | 75 |
| 9/15/2009 8:00 | 47 | 0.6 | 1.3 | 220 | 13.8 | 56.8 | 62 |
| 9/15/2009 9:00 | 27 | 0.9 | 2.0 | 351 | 17.8 | 64.0 | 48 |
| 9/15/2009 10:00 | 20 | 1.6 | 3.6 | 1 | 18.3 | 64.9 | 47 |
| 9/15/2009 11:00 | 40 | 2.7 | 6.0 | 23 | 19.6 | 67.3 | 43 |
| 9/15/2009 12:00 | 48 | 2.6 | 5.8 | 27 | 21.4 | 70.5 | 39 |
| 9/15/2009 13:00 | 42 | 2.1 | 4.7 | 13 | 23.0 | 73.4 | 36 |
| 9/15/2009 14:00 | 38 | 2.3 | 5.1 | 4 | 24.6 | 76.3 | 32 |
| 9/15/2009 15:00 | BA | 2.0 | 4.5 | 355 | 26.4 | 79.5 | 29 |
| 9/15/2009 16:00 | 28 | 2.0 | 4.5 | 350 | 27.1 | 80.8 | 26 |
| 9/15/2009 17:00 | 28 | 1.7 | 3.8 | 317 | 27.8 | 82.0 | 25 |
| 9/15/2009 18:00 | 27 | 0.9 | 2.0 | 281 | 24.2 | 75.6 | 37 |
| 9/15/2009 19:00 | 27 | 1.5 | 3.4 | 225 | 20.5 | 68.9 | 49 |
| 9/15/2009 20:00 | 58 | 1.0 | 2.2 | 202 | 19.2 | 66.6 | 51 |
| 9/15/2009 21:00 | 32 | 1.4 | 3.1 | 198 | 20.3 | 68.5 | 48 |
| 9/15/2009 22:00 | 28 | 0.8 | 1.8 | 178 | 18.7 | 65.7 | 54 |
| 9/15/2009 23:00 | 19 | 1.2 | 2.7 | 233 | 16.5 | 61.7 | 61 |
| 9/16/2009 0:00 | 33 | 1.0 | 2.2 | 227 | 13.9 | 57.0 | 68 |
| 9/16/2009 1:00 | 3 | 1.1 | 2.5 | 229 | 14.1 | 57.4 | 66 |
| 9/16/2009 2:00 | 6 | 0.9 | 2.0 | 228 | 12.1 | 53.8 | 72 |
| 9/16/2009 3:00 | 10 | 0.7 | 1.6 | 234 | 9.2 | 48.6 | 83 |
| 9/16/2009 4:00 | 22 | 1 | 2.2 | 231 | 8.4 | 47.1 | 83 |
| 9/16/2009 5:00 | 0 | 1.1 | 2.5 | 219 | 8.2 | 46.8 | 83 |
| 9/16/2009 6:00 | 36 | 1.1 | 2.5 | 228 | 9.3 | 48.7 | 79 |
| 9/16/2009 7:00 | 26 | 1.3 | 2.9 | 235 | 11.0 | 51.8 | 73 |
| 9/16/2009 8:00 | 17 | 1.4 | 3.1 | 215 | 13.5 | 56.3 | 65 |
| 9/16/2009 9:00 | 66 | 1.6 | 3.6 | 195 | 17.5 | 63.5 | 54 |
| 9/16/2009 10:00 | 23 | 1.6 | 3.6 | 204 | 21.1 | 70.0 | 45 |
| 9/16/2009 11:00 | 25 | 2.0 | 4.5 | 179 | 25.2 | 77.4 | 34 |
| 9/16/2009 12:00 | 25 | 3.4 | 7.6 | 138 | 27.2 | 81.0 | 29 |
| 9/16/2009 13:00 | 34 | 4.1 | 9.2 | 130 | 28.3 | 82.9 | 27 |
| 9/16/2009 14:00 | 25 | 3.9 | 8.7 | 145 | 28.9 | 84.0 | 24 |
| 9/16/2009 15:00 | 12 | 4.1 | 9.2 | 137 | 29.4 | 84.9 | 23 |
| 9/16/2009 16:00 | 29 | 3.1 | 6.9 | 153 | 29.3 | 84.7 | 24 |
| 9/16/2009 17:00 | -4 | 1.8 | 4.0 | 170 | 28.1 | 82.6 | 27 |
| 9/16/2009 18:00 | 22 | 1.7 | 3.8 | 169 | 27.1 | 80.8 | 29 |
| 9/16/2009 19:00 | 32 | 1.1 | 2.5 | 234 | 22.9 | 73.2 | 41 |
| 9/16/2009 20:00 | 22 | 1.0 | 2.2 | 203 | 18.4 | 65.1 | 52 |
| 9/16/2009 21:00 | 20 | 1.6 | 3.6 | 238 | 18.1 | 64.6 | 49 |
| 9/16/2009 22:00 | 12 | 1.1 | 2.5 | 213 | 16.5 | 61.7 | 51 |
| 9/16/2009 23:00 | 10 | 1.3 | 2.9 | 217 | 16.4 | 61.5 | 49 |
| 9/17/2009 0:00 | 17 | 1.4 | 3.1 | 225 | 13.6 | 56.5 | 58 |
| 9/17/2009 1:00 | 10 | 1.3 | 2.9 | 221 | 13.6 | 56.5 | 57 |
| 9/17/2009 2:00 | 9 | 1.6 | 3.6 | 194 | 14.7 | 58.5 | 52 |
| 9/17/2009 3:00 | 17 | 1.7 | 3.8 | 197 | 14.3 | 57.7 | 53 |
| 9/17/2009 4:00 | 6 | 1.3 | 2.9 | 213 | 13.3 | 55.9 | 56 |
| 9/17/2009 5:00 | 11 | 1.6 | 3.6 | 208 | 13.0 | 55.4 | 57 |
| 9/17/2009 6:00 | 12 | 1.1 | 2.5 | 193 | 12 | 53.6 | 61 |
| 9/17/2009 7:00 | 12 | 1.4 | 3.1 | 192 | 12.1 | 53.8 | 59 |
| 9/17/2009 8:00 | 32 | 2.1 | 4.7 | 169 | 15.5 | 59.9 | 50 |
| 9/17/2009 9:00 | 28 | 2.8 | 6.3 | 159 | 19.7 | 67.5 | 41 |
| 9/17/2009 10:00 | 23 | 2.2 | 4.9 | 160 | 23.7 | 74.7 | 34 |
| 9/17/2009 11:00 | 14 | 1.9 | 4.3 | 182 | 26.1 | 79.0 | 30 |
| 9/17/2009 12:00 | 37 | 2.7 | 6.0 | 225 | 26.3 | 79.3 | 30 |
| 9/17/2009 13:00 | 53 | 4.4 | 9.8 | 239 | 27.1 | 80.8 | 24 |
| 9/17/2009 14:00 | 48 | 4.3 | 9.6 | 241 | 28.3 | 82.9 | 22 |
| 9/17/2009 15:00 | 32 | 3.1 | 6.9 | 224 | 28.8 | 83.8 | 21 |
| 9/17/2009 16:00 | 26 | 2.2 | 4.9 | 222 | 29.4 | 84.9 | 19 |
| 9/17/2009 17:00 | 64 | 3.6 | 8.1 | 332 | 27.3 | 81.1 | 25 |
| 9/17/2009 18:00 | 44 | 3.4 | 7.6 | 31 | 25.6 | 78.1 | 33 |
| 9/17/2009 19:00 | 205 | 4.7 | 10.5 | 36 | 22.7 | 72.9 | 42 |
| 9/17/2009 20:00 | 32 | 2.9 | 6.5 | 40 | 20.5 | 68.9 | 47 |
| 9/17/2009 21:00 | 31 | 1.7 | 3.8 | 298 | 18.4 | 65.1 | 51 |
| 9/17/2009 22:00 | 25 | 1.4 | 3.1 | 249 | 15.9 | 60.6 | 58 |
| 9/17/2009 23:00 | 23 | 1.3 | 2.9 | 242 | 14.5 | 58.1 | 64 |
| 9/18/2009 0:00 | 20 | 1.5 | 3.4 | 251 | 13.6 | 56.5 | 66 |
| 9/18/2009 1:00 | 23 | 1.4 | 3.1 | 276 | 13.6 | 56.5 | 66 |
| 9/18/2009 2:00 | 13 | 0.9 | 2.0 | 247 | 11.2 | 52.2 | 75 |
| 9/18/2009 3:00 | 5 | 1.4 | 3.1 | 200 | 10.1 | 50.2 | 78 |
| 9/18/2009 4:00 | 41 | 0.8 | 1.8 | 224 | 9.0 | 48.2 | 82 |
| 9/18/2009 5:00 | 10 | 0.7 | 1.6 | 230 | 7.6 | 45.7 | 86 |
| 9/18/2009 6:00 | 24 | 0.7 | 1.6 | 218 | 6.5 | 43.7 | 89 |
| 9/18/2009 7:00 | 45 | 0.7 | 1.6 | 214 | 6.8 | 44.2 | 88 |
| 9/18/2009 8:00 | 56 | 0.7 | 1.6 | 199 | 10.5 | 50.9 | 73 |
| 9/18/2009 9:00 | 14 | 1.2 | 2.7 | 152 | 15.5 | 59.9 | 59 |
| 9/18/2009 10:00 | 30 | 1.0 | 2.2 | 223 | 18.1 | 64.6 | 51 |
| 9/18/2009 11:00 | 26 | 1.0 | 2.2 | 184 | 20.7 | 69.3 | 44 |
| 9/18/2009 12:00 | 129 | BA | BA | BA | 22.9 | 73.2 | 40 |
| 9/18/2009 13:00 | 136 | 2.1 | 4.7 | 31 | 24.8 | 76.6 | 37 |
| 9/18/2009 14:00 | 130 | 1.9 | 4.3 | 31 | 26.7 | 80.1 | 33 |

| Date & Time Mountain Standard Time (data for hour ending) | TSP Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|--------------------------|---|--|--|--|---|--|
| 9/18/2009 15:00 | 91 | 1.6 | 3.6 | 20 | 28.6 | 83.5 | 27 |
| 9/18/2009 16:00 | 16 | 1.1 | 2.5 | 186 | 29.9 | 85.8 | 22 |
| 9/18/2009 17:00 | 21 | 1.3 | 2.9 | 179 | 29.5 | 85.1 | 21 |
| 9/18/2009 18:00 | 30 | 0.5 | 1.1 | 174 | 28.8 | 83.8 | 24 |
| 9/18/2009 19:00 | 22 | 0.6 | 1.3 | 318 | 23.6 | 74.5 | 41 |
| 9/18/2009 20:00 | 45 | 1.2 | 2.7 | 225 | 18.6 | 65.5 | 54 |
| 9/18/2009 21:00 | 28 | 1.2 | 2.7 | 231 | 15.3 | 59.5 | 63 |
| 9/18/2009 22:00 | 38 | 0.8 | 1.8 | 225 | 12.8 | 55.0 | 70 |
| 9/18/2009 23:00 | 11 | 1.1 | 2.5 | 231 | 12.2 | 54.0 | 70 |
| 9/19/2009 0:00 | 10 | 0.8 | 1.8 | 209 | 11.4 | 52.5 | 72 |
| 9/19/2009 1:00 | 11 | 1.3 | 2.9 | 222 | 11.0 | 51.8 | 72 |
| 9/19/2009 2:00 | 8 | 1.6 | 3.6 | 229 | 12.6 | 54.7 | 63 |
| 9/19/2009 3:00 | 10 | 1.7 | 3.8 | 230 | 14.0 | 57.2 | 57 |
| 9/19/2009 4:00 | 18 | 1.6 | 3.6 | 209 | 14.7 | 58.5 | 52 |
| 9/19/2009 5:00 | 26 | 1.8 | 4.0 | 196 | 14.2 | 57.6 | 53 |
| 9/19/2009 6:00 | 32 | 2.5 | 5.6 | 171 | 13.4 | 56.1 | 55 |
| 9/19/2009 7:00 | 32 | 2.8 | 6.3 | 167 | 13.2 | 55.8 | 55 |
| 9/19/2009 8:00 | 36 | 2.4 | 5.4 | 175 | 15.6 | 60.1 | 48 |
| 9/19/2009 9:00 | 21 | 3.6 | 8.1 | 147 | 19.3 | 66.7 | 40 |
| 9/19/2009 10:00 | 38 | 3.6 | 8.1 | 151 | 22.7 | 72.9 | 32 |
| 9/19/2009 11:00 | 36 | 2.4 | 5.4 | 201 | 25.2 | 77.4 | 27 |
| 9/19/2009 12:00 | 35 | 2.3 | 5.1 | 210 | 26.9 | 80.4 | 26 |
| 9/19/2009 13:00 | 38 | 3.4 | 7.6 | 226 | 28.3 | 82.9 | 23 |
| 9/19/2009 14:00 | 40 | 4.1 | 9.2 | 236 | 29.3 | 84.7 | 19 |
| 9/19/2009 15:00 | 49 | 4.8 | 10.7 | 244 | 29.3 | 84.7 | 18 |
| 9/19/2009 16:00 | 46 | 3.1 | 6.9 | 226 | 29.4 | 84.9 | 17 |
| 9/19/2009 17:00 | 33 | 3.5 | 7.8 | 276 | 27.5 | 81.5 | 24 |
| 9/19/2009 18:00 | 42 | 2.8 | 6.3 | 321 | 24.8 | 76.6 | 32 |
| 9/19/2009 19:00 | 95 | 4.3 | 9.6 | 36 | 21.5 | 70.7 | 40 |
| 9/19/2009 20:00 | 56 | 3.9 | 8.7 | 26 | 19.6 | 67.3 | 40 |
| 9/19/2009 21:00 | 36 | 3.1 | 6.9 | 21 | 18.3 | 64.9 | 39 |
| 9/19/2009 22:00 | 80 | 3.3 | 7.4 | 3 | 17.6 | 63.7 | 41 |
| 9/19/2009 23:00 | 35 | 2.7 | 6.0 | 276 | 15.2 | 59.4 | 59 |
| 9/20/2009 0:00 | 2 | 1.7 | 3.8 | 320 | 14.3 | 57.7 | 59 |
| 9/20/2009 1:00 | 24 | 2.8 | 6.3 | 283 | 15.0 | 59.0 | 53 |
| 9/20/2009 2:00 | 20 | 1.0 | 2.2 | 228 | 13.6 | 56.5 | 58 |
| 9/20/2009 3:00 | 17 | 1.2 | 2.7 | 238 | 10.8 | 51.4 | 68 |
| 9/20/2009 4:00 | 20 | 2.0 | 4.5 | 271 | 11.5 | 52.7 | 67 |
| 9/20/2009 5:00 | 12 | 2.8 | 6.3 | 272 | 11.6 | 52.9 | 64 |
| 9/20/2009 6:00 | 10 | 3.0 | 6.7 | 283 | 10.9 | 51.6 | 64 |
| 9/20/2009 7:00 | 9 | 3.9 | 8.7 | 282 | 10.3 | 50.5 | 60 |
| 9/20/2009 8:00 | 26 | 4.2 | 9.4 | 269 | 10.2 | 50.4 | 52 |
| 9/20/2009 9:00 | 66 | 5.1 | 11.4 | 268 | 10.5 | 50.9 | 46 |
| 9/20/2009 10:00 | 63 | 5.5 | 12.3 | 269 | 11.4 | 52.5 | 39 |
| 9/20/2009 11:00 | 36 | 5.5 | 12.3 | 272 | 11.8 | 53.2 | 37 |
| 9/20/2009 12:00 | 60 | 5.6 | 12.5 | 265 | 12.7 | 54.9 | 34 |
| 9/20/2009 13:00 | 52 | 5.6 | 12.5 | 270 | 13.2 | 55.8 | 33 |
| 9/20/2009 14:00 | 21 | 4.7 | 10.5 | 271 | 13.8 | 56.8 | 31 |
| 9/20/2009 15:00 | 24 | 3.7 | 8.3 | 299 | 12.3 | 54.1 | 33 |
| 9/20/2009 16:00 | 67 | 4.6 | 10.3 | 288 | 12.2 | 54.0 | 36 |
| 9/20/2009 17:00 | 15 | 3.8 | 8.5 | 282 | 12.2 | 54.0 | 31 |
| 9/20/2009 18:00 | 15 | 3.1 | 6.9 | 289 | 11.3 | 52.3 | 34 |
| 9/20/2009 19:00 | 15 | 2.6 | 5.8 | 304 | 10.2 | 50.4 | 39 |
| 9/20/2009 20:00 | 16 | 3.6 | 8.1 | 340 | 8.9 | 48.0 | 49 |
| 9/20/2009 21:00 | 8 | 2.5 | 5.6 | 337 | 7.9 | 46.2 | 56 |
| 9/20/2009 22:00 | 10 | 1.4 | 3.1 | 350 | 7.2 | 45.0 | 59 |
| 9/20/2009 23:00 | 8 | 1.7 | 3.8 | 283 | 6.4 | 43.5 | 63 |
| 9/21/2009 0:00 | 0 | 1.6 | 3.6 | 280 | 5.6 | 42.1 | 66 |
| 9/21/2009 1:00 | 0 | 1.1 | 2.5 | 322 | 5.1 | 41.2 | 67 |
| 9/21/2009 2:00 | 7 | 0.7 | 1.6 | 188 | 1.8 | 35.2 | 81 |
| 9/21/2009 3:00 | -5 | 1.0 | 2.2 | 187 | -0.1 | 31.8 | 83 |
| 9/21/2009 4:00 | 6 | 1.3 | 2.9 | 172 | 0.1 | 32.2 | 81 |
| 9/21/2009 5:00 | 4 | 1.4 | 3.1 | 156 | -0.4 | 31.3 | 80 |
| 9/21/2009 6:00 | 26 | 1.4 | 3.1 | 161 | -0.1 | 31.8 | 78 |
| 9/21/2009 7:00 | -2 | 1.4 | 3.1 | 160 | -0.2 | 31.6 | 78 |
| 9/21/2009 8:00 | 19 | 1.4 | 3.1 | 165 | 2.6 | 36.7 | 67 |
| 9/21/2009 9:00 | 9 | 2.4 | 5.4 | 161 | 6.5 | 43.7 | 55 |
| 9/21/2009 10:00 | 18 | 2.2 | 4.9 | 160 | 9.7 | 49.5 | 43 |
| 9/21/2009 11:00 | 12 | 2.0 | 4.5 | 148 | 12.1 | 53.8 | 36 |
| 9/21/2009 12:00 | 5 | 1.5 | 3.4 | 147 | 14.3 | 57.7 | 29 |
| 9/21/2009 13:00 | 11 | 1.6 | 3.6 | 108 | 15.9 | 60.6 | 26 |
| 9/21/2009 14:00 | 46 | 2.9 | 6.5 | 20 | 16.5 | 61.7 | 25 |
| 9/21/2009 15:00 | 32 | 3.2 | 7.2 | 22 | 16.8 | 62.2 | 27 |
| 9/21/2009 16:00 | 50 | 3.5 | 7.8 | 22 | 16.8 | 62.2 | 29 |
| 9/21/2009 17:00 | 27 | 2.0 | 4.5 | 6 | 16.7 | 62.1 | 29 |
| 9/21/2009 18:00 | 40 | 2.1 | 4.7 | 13 | 17.1 | 62.8 | 27 |
| 9/21/2009 19:00 | 38 | 2.0 | 4.5 | 20 | 14.5 | 58.1 | 30 |
| 9/21/2009 20:00 | 22 | 1.2 | 2.7 | 262 | 10.9 | 51.6 | 40 |
| 9/21/2009 21:00 | 11 | 1.0 | 2.2 | 236 | 6.9 | 44.4 | 57 |
| 9/21/2009 22:00 | 18 | 1.2 | 2.7 | 210 | 4.6 | 40.3 | 63 |
| 9/21/2009 23:00 | 11 | 1.0 | 2.2 | 210 | 3.6 | 38.5 | 67 |
| 9/22/2009 0:00 | 4 | 1.0 | 2.2 | 189 | 3.7 | 38.7 | 65 |
| 9/22/2009 1:00 | 12 | 1.2 | 2.7 | 176 | 3.7 | 38.7 | 64 |
| 9/22/2009 2:00 | 5 | 1.2 | 2.7 | 208 | 2.4 | 36.3 | 69 |
| 9/22/2009 3:00 | 14 | 0.7 | 1.6 | 212 | 1.3 | 34.3 | 74 |

| Date & Time Mountain Standard Time (data for hour ending) | TSP Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|--------------------------|---|--|--|--|---|--|
| 9/22/2009 4:00 | 10 | 1.2 | 2.7 | 200 | 1.9 | 35.4 | 70 |
| 9/22/2009 5:00 | -2 | 0.9 | 2.0 | 225 | 1.3 | 34.3 | 73 |
| 9/22/2009 6:00 | 32 | 1.2 | 2.7 | 200 | 1.5 | 34.7 | 73 |
| 9/22/2009 7:00 | 49 | 1.0 | 2.2 | 184 | 2.0 | 35.6 | 70 |
| 9/22/2009 8:00 | 5 | 1.4 | 3.1 | 162 | 5.2 | 41.4 | 59 |
| 9/22/2009 9:00 | 25 | 1.0 | 2.2 | 192 | 10.0 | 50.0 | 48 |
| 9/22/2009 10:00 | 22 | 1.0 | 2.2 | 196 | 14.0 | 57.2 | 35 |
| 9/22/2009 11:00 | 17 | 1.2 | 2.7 | 40 | 16.5 | 61.7 | 30 |
| 9/22/2009 12:00 | 33 | 1.5 | 3.4 | 25 | 18.4 | 65.1 | 28 |
| 9/22/2009 13:00 | 15 | 1.7 | 3.8 | 44 | 20.1 | 68.2 | 27 |
| 9/22/2009 14:00 | 20 | 1.7 | 3.8 | 46 | 21.8 | 71.2 | 25 |
| 9/22/2009 15:00 | 23 | 2.0 | 4.5 | 27 | 23.0 | 73.4 | 24 |
| 9/22/2009 16:00 | 12 | 2.2 | 4.9 | 19 | 23.4 | 74.1 | 25 |
| 9/22/2009 17:00 | 11 | 2.5 | 5.6 | 13 | 23.3 | 73.9 | 26 |
| 9/22/2009 18:00 | 12 | 1.7 | 3.8 | 341 | 22.1 | 71.8 | 30 |
| 9/22/2009 19:00 | 29 | 1.2 | 2.7 | 241 | 16.3 | 61.3 | 49 |
| 9/22/2009 20:00 | 23 | 0.7 | 1.6 | 180 | 11.4 | 52.5 | 65 |
| 9/22/2009 21:00 | 19 | 0.8 | 1.8 | 219 | 8.8 | 47.8 | 72 |
| 9/22/2009 22:00 | 14 | 1.2 | 2.7 | 232 | 8.9 | 48.0 | 67 |
| 9/22/2009 23:00 | 12 | 0.6 | 1.3 | 177 | 6.1 | 43.0 | 76 |
| 9/23/2009 0:00 | 15 | 0.9 | 2.0 | 207 | 6.7 | 44.1 | 72 |
| 9/23/2009 1:00 | 11 | 0.9 | 2.0 | 210 | 4.9 | 40.8 | 79 |
| 9/23/2009 2:00 | 2 | 0.8 | 1.8 | 210 | 4.8 | 40.6 | 78 |
| 9/23/2009 3:00 | -5 | 1.0 | 2.2 | 197 | 5.3 | 41.5 | 75 |
| 9/23/2009 4:00 | 21 | 1.1 | 2.5 | 206 | 5.7 | 42.3 | 74 |
| 9/23/2009 5:00 | 7 | 0.9 | 2.0 | 196 | 5.8 | 42.4 | 74 |
| 9/23/2009 6:00 | 9 | 1.2 | 2.7 | 217 | 5.6 | 42.1 | 74 |
| 9/23/2009 7:00 | 8 | 1.2 | 2.7 | 175 | 6.4 | 43.5 | 70 |
| 9/23/2009 8:00 | 13 | 1.8 | 4.0 | 161 | 9.2 | 48.6 | 60 |
| 9/23/2009 9:00 | 44 | 2.1 | 4.7 | 159 | 13.6 | 56.5 | 49 |
| 9/23/2009 10:00 | 51 | 2.2 | 4.9 | 159 | 17.9 | 64.2 | 38 |
| 9/23/2009 11:00 | 73 | 1.8 | 4.0 | 146 | 21.4 | 70.5 | 31 |
| 9/23/2009 12:00 | 67 | 1.2 | 2.7 | 175 | 24.5 | 76.1 | 25 |
| 9/23/2009 13:00 | 74 | 2.1 | 4.7 | 11 | 25.5 | 77.9 | 26 |
| 9/23/2009 14:00 | 51 | 2.2 | 4.9 | 23 | 27.1 | 80.8 | 23 |
| 9/23/2009 15:00 | 34 | 2.0 | 4.5 | 27 | 28.4 | 83.1 | 18 |
| 9/23/2009 16:00 | 10 | 2.3 | 5.1 | 24 | 28.9 | 84.0 | 14 |
| 9/23/2009 17:00 | 4 | 2.2 | 4.9 | 5 | 28.7 | 83.7 | 14 |
| 9/23/2009 18:00 | 20 | 1.3 | 2.9 | 326 | 26.8 | 80.2 | 19 |
| 9/23/2009 19:00 | 35 | 1.0 | 2.2 | 241 | 18.3 | 64.9 | 47 |
| 9/23/2009 20:00 | 32 | 1.0 | 2.2 | 216 | 13.8 | 56.8 | 52 |
| 9/23/2009 21:00 | 47 | 1.1 | 2.5 | 225 | 13.9 | 57.0 | 47 |
| 9/23/2009 22:00 | 11 | 0.8 | 1.8 | 204 | 10.2 | 50.4 | 58 |
| 9/23/2009 23:00 | 20 | 0.9 | 2.0 | 211 | 8.8 | 47.8 | 61 |
| 9/24/2009 0:00 | 1 | 1.5 | 3.4 | 232 | 9.0 | 48.2 | 59 |
| 9/24/2009 1:00 | 12 | 1.3 | 2.9 | 214 | 12.0 | 53.6 | 44 |
| 9/24/2009 2:00 | -1 | 1.3 | 2.9 | 214 | 10.6 | 51.1 | 47 |
| 9/24/2009 3:00 | 16 | 1.6 | 3.6 | 185 | 11.6 | 52.9 | 43 |
| 9/24/2009 4:00 | 6 | 1.6 | 3.6 | 207 | 11.8 | 53.2 | 42 |
| 9/24/2009 5:00 | 14 | 1.5 | 3.4 | 188 | 10.0 | 50.0 | 47 |
| 9/24/2009 6:00 | 6 | 1.4 | 3.1 | 191 | 8.4 | 47.1 | 51 |
| 9/24/2009 7:00 | 43 | 1.0 | 2.2 | 205 | 7.5 | 45.5 | 54 |
| 9/24/2009 8:00 | 27 | 1.4 | 3.1 | 177 | 10.3 | 50.5 | 46 |
| 9/24/2009 9:00 | 39 | 1.9 | 4.3 | 168 | 14.5 | 58.1 | 38 |
| 9/24/2009 10:00 | 36 | 1.9 | 4.3 | 171 | 19.2 | 66.6 | 28 |
| 9/24/2009 11:00 | 25 | 1.6 | 3.6 | 155 | 23.5 | 74.3 | 21 |
| 9/24/2009 12:00 | 63 | 1.5 | 3.4 | 80 | 26.6 | 79.9 | 17 |
| 9/24/2009 13:00 | 88 | 3.1 | 6.9 | 21 | 26.5 | 79.7 | 20 |
| 9/24/2009 14:00 | 63 | 3.4 | 7.6 | 15 | 28.1 | 82.6 | 16 |
| 9/24/2009 15:00 | 89 | 4.0 | 8.9 | 12 | 28.8 | 83.8 | 15 |
| 9/24/2009 16:00 | 27 | 3.7 | 8.3 | 4 | 29.0 | 84.2 | 15 |
| 9/24/2009 17:00 | 11 | 3.4 | 7.6 | 17 | 28.9 | 84.0 | 14 |
| 9/24/2009 18:00 | 23 | 2.4 | 5.4 | 27 | 27.4 | 81.3 | 14 |
| 9/24/2009 19:00 | 41 | 1.1 | 2.5 | 253 | 20.1 | 68.2 | 34 |
| 9/24/2009 20:00 | 54 | 1 | 2.2 | 227 | 14.5 | 58.1 | 50 |
| 9/24/2009 21:00 | 36 | 0.8 | 1.8 | 219 | 11.1 | 52.0 | 58 |
| 9/24/2009 22:00 | 19 | 0.7 | 1.6 | 219 | 10.4 | 50.7 | 57 |
| 9/24/2009 23:00 | 19 | 1.2 | 2.7 | 211 | 9.7 | 49.5 | 58 |
| 9/25/2009 0:00 | 20 | 1.0 | 2.2 | 201 | 10.0 | 50.0 | 53 |
| 9/25/2009 1:00 | 9 | 1.0 | 2.2 | 214 | 8.4 | 47.1 | 57 |
| 9/25/2009 2:00 | 17 | 1.1 | 2.5 | 193 | 8.3 | 46.9 | 55 |
| 9/25/2009 3:00 | 27 | 0.9 | 2.0 | 201 | 7.5 | 45.5 | 57 |
| 9/25/2009 4:00 | 11 | 1.0 | 2.2 | 201 | 6.6 | 43.9 | 61 |
| 9/25/2009 5:00 | 15 | 1.1 | 2.5 | 197 | 6.4 | 43.5 | 58 |
| 9/25/2009 6:00 | 13 | 0.8 | 1.8 | 209 | 5.3 | 41.5 | 65 |
| 9/25/2009 7:00 | 28 | 0.9 | 2.0 | 223 | 4.8 | 40.6 | 68 |
| 9/25/2009 8:00 | 50 | 1.1 | 2.5 | 177 | 8.2 | 46.8 | 56 |
| 9/25/2009 9:00 | 59 | 0.8 | 1.8 | 213 | 13.4 | 56.1 | 46 |
| 9/25/2009 10:00 | 45 | 1.3 | 2.9 | 11 | 18.2 | 64.8 | 33 |
| 9/25/2009 11:00 | 60 | 2.2 | 4.9 | 15 | 20.1 | 68.2 | 32 |
| 9/25/2009 12:00 | 65 | 2.4 | 5.4 | 15 | 22.1 | 71.8 | 30 |
| 9/25/2009 13:00 | 55 | 3.6 | 8.1 | 15 | 23.8 | 74.8 | 29 |
| 9/25/2009 14:00 | 51 | 3.4 | 7.6 | 18 | 25.0 | 77.0 | 26 |
| 9/25/2009 15:00 | 38 | 3.4 | 7.6 | 20 | 26.1 | 79.0 | 22 |
| 9/25/2009 16:00 | 27 | 3.3 | 7.4 | 14 | 26.4 | 79.5 | 21 |
| 9/25/2009 17:00 | 27 | 2.7 | 6.0 | 11 | 25.6 | 78.1 | 20 |

| Date & Time Mountain Standard Time (data for hour ending) | TSP Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|--------------------------|---|--|--|--|---|--|
| 9/25/2009 18:00 | 23 | 1.8 | 4.0 | 353 | 24.2 | 75.6 | 21 |
| 9/25/2009 19:00 | 28 | 0.8 | 1.8 | 309 | 18.6 | 65.5 | 33 |
| 9/25/2009 20:00 | 27 | 1.5 | 3.4 | 235 | 16.0 | 60.8 | 39 |
| 9/25/2009 21:00 | 22 | 1.1 | 2.5 | 199 | 11.0 | 51.8 | 53 |
| 9/25/2009 22:00 | 20 | 1.1 | 2.5 | 213 | 9.9 | 49.8 | 55 |
| 9/25/2009 23:00 | 28 | 1.2 | 2.7 | 211 | 7.8 | 46.0 | 60 |
| 9/26/2009 0:00 | 20 | 1.4 | 3.1 | 178 | 8.1 | 46.6 | 56 |
| 9/26/2009 1:00 | 19 | 1.7 | 3.8 | 181 | 7.9 | 46.2 | 55 |
| 9/26/2009 2:00 | 20 | 1.9 | 4.3 | 160 | 7.7 | 45.9 | 53 |
| 9/26/2009 3:00 | 25 | 1.4 | 3.1 | 173 | 7.7 | 45.9 | 54 |
| 9/26/2009 4:00 | 22 | 1.7 | 3.8 | 167 | 7.4 | 45.3 | 52 |
| 9/26/2009 5:00 | 27 | 1.8 | 4.0 | 160 | 7.0 | 44.6 | 53 |
| 9/26/2009 6:00 | 13 | 1.3 | 2.9 | 136 | 5.8 | 42.4 | 56 |
| 9/26/2009 7:00 | 16 | 1.9 | 4.3 | 151 | 6.7 | 44.1 | 52 |
| 9/26/2009 8:00 | 35 | 1.9 | 4.3 | 154 | 8.5 | 47.3 | 48 |
| 9/26/2009 9:00 | 42 | 2.3 | 5.1 | 166 | 13.8 | 56.8 | 36 |
| 9/26/2009 10:00 | 31 | 2.1 | 4.7 | 173 | 18.5 | 65.3 | 27 |
| 9/26/2009 11:00 | 52 | 2.7 | 6.0 | 212 | 22.0 | 71.6 | 20 |
| 9/26/2009 12:00 | 42 | 4.2 | 9.4 | 238 | 23.6 | 74.5 | 19 |
| 9/26/2009 13:00 | 50 | 3.9 | 8.7 | 272 | 26.2 | 79.2 | 15 |
| 9/26/2009 14:00 | 151 | 5.3 | 11.9 | 281 | 26.0 | 78.8 | 15 |
| 9/26/2009 15:00 | 74 | 4.9 | 11.0 | 284 | 25.9 | 78.6 | 15 |
| 9/26/2009 16:00 | 88 | 4.5 | 10.1 | 284 | 25.2 | 77.4 | 16 |
| 9/26/2009 17:00 | 85 | 4.6 | 10.3 | 280 | 23.7 | 74.7 | 20 |
| 9/26/2009 18:00 | 87 | 3.1 | 6.9 | 280 | 21.9 | 71.4 | 23 |
| 9/26/2009 19:00 | 138 | 2.8 | 6.3 | 281 | 20.4 | 68.7 | 26 |
| 9/26/2009 20:00 | 167 | 3.1 | 6.9 | 288 | 19.9 | 67.8 | 24 |
| 9/26/2009 21:00 | 222 | 3.6 | 8.1 | 260 | 18.7 | 65.7 | 26 |
| 9/26/2009 22:00 | 186 | 3.2 | 7.2 | 255 | 18.2 | 64.8 | 27 |
| 9/26/2009 23:00 | 94 | 2.0 | 4.5 | 266 | 16.7 | 62.1 | 32 |
| 9/27/2009 0:00 | 67 | 2 | 4.5 | 273 | 15.7 | 60.3 | 35 |
| 9/27/2009 1:00 | 70 | 0.9 | 2.0 | 313 | 13.9 | 57.0 | 41 |
| 9/27/2009 2:00 | 77 | 2.0 | 4.5 | 300 | 14.0 | 57.2 | 39 |
| 9/27/2009 3:00 | 42 | 2.2 | 4.9 | 286 | 13.1 | 55.6 | 35 |
| 9/27/2009 4:00 | 31 | 1.8 | 4.0 | 272 | 11.4 | 52.5 | 35 |
| 9/27/2009 5:00 | 19 | 1.2 | 2.7 | 267 | 7.5 | 45.5 | 45 |
| 9/27/2009 6:00 | 49 | 2.0 | 4.5 | 267 | 9.4 | 48.9 | 39 |
| 9/27/2009 7:00 | 43 | 2.3 | 5.1 | 350 | 7.2 | 45.0 | 47 |
| 9/27/2009 8:00 | 36 | 2.4 | 5.4 | 15 | 5.8 | 42.4 | 60 |
| 9/27/2009 9:00 | 40 | 1.6 | 3.6 | 13 | 7.6 | 45.7 | 56 |
| 9/27/2009 10:00 | 47 | 1.5 | 3.4 | 0 | 9.6 | 49.3 | 46 |
| 9/27/2009 11:00 | 192 | 2.3 | 5.1 | 21 | 12.1 | 53.8 | 38 |
| 9/27/2009 12:00 | 62 | 3.2 | 7.2 | 14 | 14.3 | 57.7 | 31 |
| 9/27/2009 13:00 | 92 | 3.2 | 7.2 | 7 | 16.2 | 61.2 | 26 |
| 9/27/2009 14:00 | 174 | 3.7 | 8.3 | 2 | 17.4 | 63.3 | 22 |
| 9/27/2009 15:00 | 49 | 3.9 | 8.7 | 358 | 18.4 | 65.1 | 19 |
| 9/27/2009 16:00 | 45 | 4.3 | 9.6 | 2 | 18.5 | 65.3 | 18 |
| 9/27/2009 17:00 | 43 | 4.1 | 9.2 | 6 | 17.8 | 64.0 | 18 |
| 9/27/2009 18:00 | 335 | 1.9 | 4.3 | 335 | 16.2 | 61.2 | 20 |
| 9/27/2009 19:00 | 35 | 1.2 | 2.7 | 251 | 11.5 | 52.7 | 31 |
| 9/27/2009 20:00 | 41 | 0.8 | 1.8 | 253 | 5.7 | 42.3 | 51 |
| 9/27/2009 21:00 | 24 | 1.2 | 2.7 | 231 | 3.9 | 39.0 | 55 |
| 9/27/2009 22:00 | 30 | 1.0 | 2.2 | 197 | 2.8 | 37.0 | 58 |
| 9/27/2009 23:00 | 15 | 0.9 | 2.0 | 239 | 0.6 | 33.1 | 67 |
| 9/28/2009 0:00 | 22 | 1.1 | 2.5 | 243 | 0.7 | 33.3 | 61 |
| 9/28/2009 1:00 | 15 | 0.8 | 1.8 | 249 | -0.8 | 30.6 | 70 |
| 9/28/2009 2:00 | 3 | 1.1 | 2.5 | 246 | -1.5 | 29.3 | 69 |
| 9/28/2009 3:00 | 16 | 1 | 2.2 | 237 | -1.7 | 28.9 | 72 |
| 9/28/2009 4:00 | 20 | 1.3 | 2.9 | 235 | 2.0 | 35.6 | 59 |
| 9/28/2009 5:00 | 31 | 1.3 | 2.9 | 224 | 3.7 | 38.7 | 51 |
| 9/28/2009 6:00 | 57 | 2.5 | 5.6 | 188 | 5.1 | 41.2 | 46 |
| 9/28/2009 7:00 | 52 | 2.8 | 6.3 | 172 | 5.6 | 42.1 | 44 |
| 9/28/2009 8:00 | 50 | 2.7 | 6.0 | 176 | 6.7 | 44.1 | 42 |
| 9/28/2009 9:00 | 156 | 3.1 | 6.9 | 170 | 9.7 | 49.5 | 37 |
| 9/28/2009 10:00 | 131 | 3.3 | 7.4 | 163 | 13.7 | 56.7 | 28 |
| 9/28/2009 11:00 | 75 | 4.8 | 10.7 | 140 | 17.3 | 63.1 | 22 |
| 9/28/2009 12:00 | 92 | 4.1 | 9.2 | 147 | 20.7 | 69.3 | 18 |
| 9/28/2009 13:00 | 54 | 4.0 | 8.9 | 157 | 23.5 | 74.3 | 14 |
| 9/28/2009 14:00 | 58 | 2.9 | 6.5 | 185 | 25.7 | 78.3 | 11 |
| 9/28/2009 15:00 | 36 | 2.2 | 4.9 | 204 | 26.8 | 80.2 | 10 |
| 9/28/2009 16:00 | 25 | 2.0 | 4.5 | 171 | 26.9 | 80.4 | 9 |
| 9/28/2009 17:00 | 28 | 2.3 | 5.1 | 160 | 25.3 | 77.5 | 12 |
| 9/28/2009 18:00 | 19 | 1.6 | 3.6 | 156 | 22.8 | 73.0 | 14 |
| 9/28/2009 19:00 | 44 | 1.8 | 4.0 | 205 | 19.4 | 66.9 | 22 |
| 9/28/2009 20:00 | 33 | 2.8 | 6.3 | 144 | 18.9 | 66.0 | 20 |
| 9/28/2009 21:00 | 36 | 2.6 | 5.8 | 159 | 19.0 | 66.2 | 20 |
| 9/28/2009 22:00 | 34 | 1.7 | 3.8 | 192 | 16.3 | 61.3 | 27 |
| 9/28/2009 23:00 | 17 | 1.4 | 3.1 | 233 | 14.3 | 57.7 | 31 |
| 9/29/2009 0:00 | 22 | 1.4 | 3.1 | 238 | 12.4 | 54.3 | 36 |
| 9/29/2009 1:00 | 17 | 1.7 | 3.8 | 237 | 9.2 | 48.6 | 45 |
| 9/29/2009 2:00 | 3 | 1.3 | 2.9 | 229 | 8.8 | 47.8 | 45 |
| 9/29/2009 3:00 | 17 | 1.1 | 2.5 | 215 | 9.5 | 49.1 | 43 |
| 9/29/2009 4:00 | 12 | 1.5 | 3.4 | 167 | 9.3 | 48.7 | 41 |
| 9/29/2009 5:00 | 50 | 1.6 | 3.6 | 170 | 12.7 | 54.9 | 32 |
| 9/29/2009 6:00 | 53 | 2.0 | 4.5 | 212 | 14.4 | 57.9 | 29 |

| Date & Time Mountain Standard Time (data for hour ending) | TSP Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|--------------------------|---|--|--|--|---|--|
| 9/29/2009 7:00 | 91 | 0.9 | 2.0 | 207 | 11.6 | 52.9 | 38 |
| 9/29/2009 8:00 | 83 | 1.3 | 2.9 | 223 | 11.9 | 53.4 | 38 |
| 9/29/2009 9:00 | 83 | 1.3 | 2.9 | 147 | 15.6 | 60.1 | 33 |
| 9/29/2009 10:00 | 116 | 3.0 | 6.7 | 217 | 20.8 | 69.4 | 18 |
| 9/29/2009 11:00 | 159 | 4.4 | 9.8 | 227 | 21.1 | 70.0 | 17 |
| 9/29/2009 12:00 | 130 | 3.8 | 8.5 | 230 | 21.7 | 71.1 | 16 |
| 9/29/2009 13:00 | 112 | 4.0 | 8.9 | 227 | 22.6 | 72.7 | 17 |
| 9/29/2009 14:00 | 279 | 4.8 | 10.7 | 231 | 21.8 | 71.2 | 19 |
| 9/29/2009 15:00 | 98 | 4.4 | 9.8 | 233 | 20.5 | 68.9 | 21 |
| 9/29/2009 16:00 | 83 | 3.1 | 6.9 | 216 | 19.8 | 67.6 | 22 |
| 9/29/2009 17:00 | 128 | 2.8 | 6.3 | 211 | 18.4 | 65.1 | 27 |
| 9/29/2009 18:00 | 56 | 2.0 | 4.5 | 224 | 17.1 | 62.8 | 32 |
| 9/29/2009 19:00 | 44 | 2.0 | 4.5 | 246 | 15.7 | 60.3 | 37 |
| 9/29/2009 20:00 | 24 | 2.7 | 6.0 | 266 | 13.8 | 56.8 | 46 |
| 9/29/2009 21:00 | 82 | 4.5 | 10.1 | 9 | 9.2 | 48.6 | 68 |
| 9/29/2009 22:00 | 14 | 3.1 | 6.9 | 5 | 5.9 | 42.6 | 86 |
| 9/29/2009 23:00 | 10 | 2.0 | 4.5 | 298 | 5.2 | 41.4 | 84 |
| 9/30/2009 0:00 | 4 | 2.9 | 6.5 | 44 | 3.7 | 38.7 | 87 |
| 9/30/2009 1:00 | 2 | 3.0 | 6.7 | 42 | 2.6 | 36.7 | 88 |
| 9/30/2009 2:00 | 2 | 3.3 | 7.4 | 35 | 2.3 | 36.1 | 89 |
| 9/30/2009 3:00 | -3 | 2.6 | 5.8 | 18 | 2.2 | 36.0 | 89 |
| 9/30/2009 4:00 | 31 | 1.3 | 2.9 | 329 | 2 | 35.6 | 88 |
| 9/30/2009 5:00 | -5 | 4.0 | 8.9 | 276 | 1.4 | 34.5 | 83 |
| 9/30/2009 6:00 | 20 | 2.3 | 5.1 | 323 | 1.7 | 35.1 | 77 |
| 9/30/2009 7:00 | -3 | 3 | 6.7 | 298 | 2.2 | 36.0 | 69 |
| 9/30/2009 8:00 | 17 | 2.8 | 6.3 | 301 | 2.3 | 36.1 | 70 |
| 9/30/2009 9:00 | 32 | 2.2 | 4.9 | 293 | 2.7 | 36.9 | 70 |
| 9/30/2009 10:00 | 14 | 2.3 | 5.1 | 293 | 3.3 | 37.9 | 67 |
| 9/30/2009 11:00 | 10 | 2.8 | 6.3 | 284 | 3.6 | 38.5 | 70 |
| 9/30/2009 12:00 | 18 | 3.7 | 8.3 | 270 | 4.0 | 39.2 | 70 |
| 9/30/2009 13:00 | 6 | 3.2 | 7.2 | 284 | 5.6 | 42.1 | 62 |
| 9/30/2009 14:00 | 11 | 3.5 | 7.8 | 310 | 5.8 | 42.4 | 61 |
| 9/30/2009 15:00 | 14 | 5.8 | 13.0 | 271 | 3.9 | 39.0 | 67 |
| 9/30/2009 16:00 | 13 | 5.1 | 11.4 | 275 | 3.8 | 38.8 | 64 |
| 9/30/2009 17:00 | 14 | 4.9 | 11.0 | 275 | 3.5 | 38.3 | 64 |
| 9/30/2009 18:00 | 4 | 4.2 | 9.4 | 277 | 3.0 | 37.4 | 66 |
| 9/30/2009 19:00 | 17 | 3.6 | 8.1 | 281 | 2.2 | 36.0 | 69 |
| 9/30/2009 20:00 | 2 | 4.3 | 9.6 | 281 | 2.1 | 35.8 | 67 |
| 9/30/2009 21:00 | 3 | 3.9 | 8.7 | 275 | 1.9 | 35.4 | 64 |
| 9/30/2009 22:00 | 12 | 4.2 | 9.4 | 274 | 1.8 | 35.2 | 63 |
| 9/30/2009 23:00 | 9 | 3.6 | 8.1 | 276 | 1.7 | 35.1 | 62 |
| 10/1/2009 0:00 | 7 | 3.2 | 7.2 | 283 | 1.6 | 34.9 | 63 |

BA = Routine maintenance and repairs

Table 6
Warm Springs Site Hourly Average Data
Met One E-BAM
September 2009

| Date & Time Mountain Standard Time (data for hour ending) | PM10 Hourly (µg/m³) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|---------------------------|---|--|--|--|---|--|
| 9/1/2009 1:00 | 11 | 1.1 | 2.5 | 157 | 13.5 | 56.3 | 81 |
| 9/1/2009 2:00 | -5 | 1.6 | 3.6 | 170 | 14.4 | 57.9 | 73 |
| 9/1/2009 3:00 | 16 | 1.9 | 4.3 | 183 | 14.0 | 57.2 | 77 |
| 9/1/2009 4:00 | 13 | 1.0 | 2.2 | 118 | 14.0 | 57.2 | 78 |
| 9/1/2009 5:00 | -5 | 1.0 | 2.2 | 161 | 13.5 | 56.3 | 78 |
| 9/1/2009 6:00 | 4 | 1.1 | 2.5 | 158 | 12.5 | 54.5 | 76 |
| 9/1/2009 7:00 | 3 | 0.9 | 2.0 | 188 | 11.1 | 52.0 | 83 |
| 9/1/2009 8:00 | 28 | 1.6 | 3.6 | 169 | 15.5 | 59.9 | 68 |
| 9/1/2009 9:00 | 1 | 1.9 | 4.3 | 168 | 17.8 | 64.0 | 59 |
| 9/1/2009 10:00 | 16 | 2.2 | 4.9 | 180 | 20.9 | 69.6 | 47 |
| 9/1/2009 11:00 | 15 | 2.2 | 4.9 | 162 | 22.7 | 72.9 | 41 |
| 9/1/2009 12:00 | 12 | 1.7 | 3.8 | 137 | 24.4 | 75.9 | 34 |
| 9/1/2009 13:00 | 7 | 1.6 | 3.6 | 114 | 25.4 | 77.7 | 31 |
| 9/1/2009 14:00 | 10 | 1.7 | 3.8 | 105 | 26.4 | 79.5 | 29 |
| 9/1/2009 15:00 | 1 | 1.6 | 3.6 | 105 | 27.4 | 81.3 | 27 |
| 9/1/2009 16:00 | 6 | 1.2 | 2.7 | 83 | 27.9 | 82.2 | 24 |
| 9/1/2009 17:00 | 4 | 1.0 | 2.2 | 100 | 28.3 | 82.9 | 24 |
| 9/1/2009 18:00 | -5 | 1.1 | 2.5 | 320 | 25.3 | 77.5 | 35 |
| 9/1/2009 19:00 | 3 | 0.5 | 1.1 | 337 | 22.4 | 72.3 | 52 |
| 9/1/2009 20:00 | -5 | 1.1 | 2.5 | 170 | 18.4 | 65.1 | 67 |
| 9/1/2009 21:00 | 7 | 2.0 | 4.5 | 187 | 18.5 | 65.3 | 61 |
| 9/1/2009 22:00 | 2 | 1.2 | 2.7 | 136 | 18.9 | 66.0 | 55 |
| 9/1/2009 23:00 | 10 | 0.9 | 2.0 | 118 | 17.7 | 63.9 | 57 |
| 9/2/2009 0:00 | 10 | 1.1 | 2.5 | 195 | 13.5 | 56.3 | 75 |
| 9/2/2009 1:00 | 7 | 1.2 | 2.7 | 150 | 13.6 | 56.5 | 75 |
| 9/2/2009 2:00 | 11 | 1.3 | 2.9 | 146 | 12.7 | 54.9 | 77 |
| 9/2/2009 3:00 | 10 | 1.5 | 3.4 | 171 | 12.1 | 53.8 | 77 |
| 9/2/2009 4:00 | 14 | 1.3 | 2.9 | 153 | 10.8 | 51.4 | 82 |
| 9/2/2009 5:00 | -5 | 1.4 | 3.1 | 162 | 10.7 | 51.3 | 82 |
| 9/2/2009 6:00 | -1 | 1.2 | 2.7 | 136 | 10.4 | 50.7 | 83 |
| 9/2/2009 7:00 | 21 | 2.3 | 5.1 | 190 | 12.3 | 54.1 | 73 |
| 9/2/2009 8:00 | 4 | 2.3 | 5.1 | 183 | 14.9 | 58.8 | 63 |
| 9/2/2009 9:00 | 19 | 2.4 | 5.4 | 192 | 18.5 | 65.3 | 53 |
| 9/2/2009 10:00 | 12 | 2.4 | 5.4 | 195 | 22.3 | 72.1 | 42 |
| 9/2/2009 11:00 | 9 | 2.2 | 4.9 | 185 | 25.2 | 77.4 | 32 |
| 9/2/2009 12:00 | 6 | 2.3 | 5.1 | 176 | 27.2 | 81.0 | 26 |
| 9/2/2009 13:00 | 6 | 3.0 | 6.7 | 145 | 28.2 | 82.8 | 21 |
| 9/2/2009 14:00 | 6 | 2.5 | 5.6 | 163 | 29.3 | 84.7 | 19 |
| 9/2/2009 15:00 | 5 | 2.1 | 4.7 | 181 | 28.6 | 83.5 | 22 |
| 9/2/2009 16:00 | -5 | 1.6 | 3.6 | 219 | 28.7 | 83.7 | 21 |
| 9/2/2009 17:00 | 13 | 1.2 | 2.7 | 117 | 29.3 | 84.7 | 19 |
| 9/2/2009 18:00 | -3 | 0.5 | 1.1 | 134 | 28.9 | 84.0 | 28 |
| 9/2/2009 19:00 | 9 | 0.5 | 1.1 | 249 | 23.7 | 74.7 | 49 |
| 9/2/2009 20:00 | -5 | 0.8 | 1.8 | 205 | 17.7 | 63.9 | 61 |
| 9/2/2009 21:00 | -5 | 1.3 | 2.9 | 149 | 16.3 | 61.3 | 61 |
| 9/2/2009 22:00 | 2 | 1.4 | 3.1 | 177 | 15.9 | 60.6 | 56 |
| 9/2/2009 23:00 | 8 | 1.3 | 2.9 | 152 | 14.6 | 58.3 | 60 |
| 9/3/2009 0:00 | 20 | 1.6 | 3.6 | 181 | 14.0 | 57.2 | 63 |
| 9/3/2009 1:00 | 11 | 1.2 | 2.7 | 177 | 15.9 | 60.6 | 56 |
| 9/3/2009 2:00 | 9 | 1.2 | 2.7 | 155 | 17.9 | 64.2 | 47 |
| 9/3/2009 3:00 | 10 | 1.2 | 2.7 | 210 | 15.7 | 60.3 | 55 |
| 9/3/2009 4:00 | -4 | 1.2 | 2.7 | 180 | 14.7 | 58.5 | 57 |
| 9/3/2009 5:00 | 9 | 1.7 | 3.8 | 193 | 15.0 | 59.0 | 55 |
| 9/3/2009 6:00 | 10 | 1.8 | 4.0 | 177 | 14.3 | 57.7 | 59 |
| 9/3/2009 7:00 | 2 | 1.5 | 3.4 | 199 | 14.8 | 58.6 | 55 |
| 9/3/2009 8:00 | 13 | 1.6 | 3.6 | 202 | 16.4 | 61.5 | 55 |
| 9/3/2009 9:00 | 11 | 2.4 | 5.4 | 201 | 20.8 | 69.4 | 40 |
| 9/3/2009 10:00 | 26 | 2.8 | 6.3 | 207 | 24.3 | 75.7 | 24 |
| 9/3/2009 11:00 | 12 | 3.1 | 6.9 | 182 | 27.0 | 80.6 | 14 |
| 9/3/2009 12:00 | 13 | 3.5 | 7.8 | 192 | 28.5 | 83.3 | 19 |
| 9/3/2009 13:00 | 4 | 4.3 | 9.6 | 203 | 29.3 | 84.7 | 15 |
| 9/3/2009 14:00 | 9 | 4.6 | 10.3 | 214 | 29.0 | 84.2 | 14 |
| 9/3/2009 15:00 | 6 | 4.3 | 9.6 | 226 | 28.7 | 83.7 | 15 |
| 9/3/2009 16:00 | 20 | 4.9 | 11.0 | 215 | 28.6 | 83.5 | 14 |
| 9/3/2009 17:00 | 1 | 4.7 | 10.5 | 212 | 28.0 | 82.4 | 16 |
| 9/3/2009 18:00 | 5 | 3.2 | 7.2 | 218 | 27.2 | 81.0 | 17 |
| 9/3/2009 19:00 | -1 | 1.6 | 3.6 | 225 | 23.6 | 74.5 | 25 |
| 9/3/2009 20:00 | 8 | 1.3 | 2.9 | 151 | 20.0 | 68.0 | 36 |
| 9/3/2009 21:00 | -4 | 1.1 | 2.5 | 92 | 17.9 | 64.2 | 48 |
| 9/3/2009 22:00 | 16 | 1.2 | 2.7 | 356 | 19.0 | 66.2 | 45 |
| 9/3/2009 23:00 | 16 | 1.3 | 2.9 | 341 | 17.4 | 63.3 | 51 |
| 9/4/2009 0:00 | 18 | 1.4 | 3.1 | 311 | 12.2 | 54.0 | 71 |
| 9/4/2009 1:00 | 3 | 1.0 | 2.2 | 291 | 10.6 | 51.1 | 76 |
| 9/4/2009 2:00 | 15 | 0.7 | 1.6 | 234 | 8.9 | 48.0 | 82 |
| 9/4/2009 3:00 | 15 | 0.9 | 2.0 | 254 | 8 | 46.4 | 84 |
| 9/4/2009 4:00 | 7 | 0.6 | 1.3 | 129 | 7.6 | 45.7 | 87 |
| 9/4/2009 5:00 | 19 | 0.9 | 2.0 | 168 | 8.7 | 47.7 | 83 |
| 9/4/2009 6:00 | 9 | 0.9 | 2.0 | 148 | 8.4 | 47.1 | 84 |
| 9/4/2009 7:00 | 23 | 1.2 | 2.7 | 159 | 9.0 | 48.2 | 80 |
| 9/4/2009 8:00 | 14 | 1.5 | 3.4 | 188 | 12.4 | 54.3 | 58 |

| Date & Time Mountain Standard Time (data for hour ending) | PM10 Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|---------------------------|---|--|--|--|---|--|
| 9/4/2009 9:00 | 23 | 1.4 | 3.1 | 196 | 16.5 | 61.7 | AN |
| 9/4/2009 10:00 | 22 | 1.1 | 2.5 | 304 | 19.0 | 66.2 | AN |
| 9/4/2009 11:00 | 15 | 1.4 | 3.1 | 2 | 20.1 | 68.2 | AN |
| 9/4/2009 12:00 | 19 | 1.2 | 2.7 | 25 | 22.8 | 73.0 | AN |
| 9/4/2009 13:00 | 15 | 1.2 | 2.7 | 19 | 25.3 | 77.5 | AN |
| 9/4/2009 14:00 | 9 | 1.3 | 2.9 | 38 | 27.3 | 81.1 | AN |
| 9/4/2009 15:00 | 6 | 1.4 | 3.1 | 45 | 28.1 | 82.6 | AN |
| 9/4/2009 16:00 | 2 | 1.4 | 3.1 | 12 | 28.3 | 82.9 | AN |
| 9/4/2009 17:00 | 1 | 1.8 | 4.0 | 0 | 27.1 | 80.8 | AN |
| 9/4/2009 18:00 | 0 | 1.8 | 4.0 | 345 | 24.9 | 76.8 | AN |
| 9/4/2009 19:00 | 5 | 1.4 | 3.1 | 328 | 21.0 | 69.8 | AN |
| 9/4/2009 20:00 | -5 | 0.5 | 1.1 | 120 | 14.9 | 58.8 | AN |
| 9/4/2009 21:00 | 0 | 1.0 | 2.2 | 197 | 14.0 | 57.2 | AN |
| 9/4/2009 22:00 | 11 | 0.8 | 1.8 | 138 | 13.4 | 56.1 | AN |
| 9/4/2009 23:00 | 5 | 0.9 | 2.0 | 176 | 12.0 | 53.6 | AN |
| 9/5/2009 0:00 | 18 | 0.6 | 1.3 | 165 | 10.0 | 50.0 | AN |
| 9/5/2009 1:00 | 13 | 1.2 | 2.7 | 169 | 10.7 | 51.3 | AN |
| 9/5/2009 2:00 | -2 | 0.7 | 1.6 | 108 | 9.7 | 49.5 | AN |
| 9/5/2009 3:00 | 14 | 0.9 | 2.0 | 132 | 9.5 | 49.1 | AN |
| 9/5/2009 4:00 | -5 | 1 | 2.2 | 166 | 9.7 | 49.5 | AN |
| 9/5/2009 5:00 | 27 | 0.8 | 1.8 | 183 | 8.6 | 47.5 | AN |
| 9/5/2009 6:00 | 0 | 0.7 | 1.6 | 45 | 7.6 | 45.7 | AN |
| 9/5/2009 7:00 | 20 | 0.7 | 1.6 | 117 | 7.7 | 45.9 | AN |
| 9/5/2009 8:00 | 7 | 1.5 | 3.4 | 209 | 13.6 | 56.5 | AN |
| 9/5/2009 9:00 | 23 | 1.3 | 2.9 | 177 | 17.7 | 63.9 | AN |
| 9/5/2009 10:00 | 10 | 1.5 | 3.4 | 257 | 22.6 | 72.7 | AN |
| 9/5/2009 11:00 | 23 | 1.9 | 4.3 | 112 | 26.0 | 78.8 | AN |
| 9/5/2009 12:00 | 11 | 4.0 | 8.9 | 145 | 28.1 | 82.6 | AN |
| 9/5/2009 13:00 | 12 | 3.6 | 8.1 | 146 | 28.2 | 82.8 | AN |
| 9/5/2009 14:00 | 7 | 4.1 | 9.2 | 153 | 27.1 | 80.8 | AN |
| 9/5/2009 15:00 | 23 | 2.8 | 6.3 | 263 | 25.8 | 78.4 | AN |
| 9/5/2009 16:00 | -5 | 3.2 | 7.2 | 233 | 21.4 | 70.5 | AN |
| 9/5/2009 17:00 | 6 | 1.5 | 3.4 | 153 | 22.1 | 71.8 | AN |
| 9/5/2009 18:00 | 20 | 0.8 | 1.8 | 258 | 22.1 | 71.8 | AN |
| 9/5/2009 19:00 | 1 | 0.7 | 1.6 | 199 | 18.3 | 64.9 | AN |
| 9/5/2009 20:00 | 5 | 0.7 | 1.6 | 217 | 17.4 | 63.3 | AN |
| 9/5/2009 21:00 | -1 | 2.4 | 5.4 | 262 | 16.4 | 61.5 | AN |
| 9/5/2009 22:00 | 7 | 1.8 | 4.0 | 202 | 17.6 | 63.7 | AN |
| 9/5/2009 23:00 | 2 | 1.8 | 4.0 | 334 | 15.7 | 60.3 | AN |
| 9/6/2009 0:00 | 18 | 1.3 | 2.9 | 281 | 13.1 | 55.6 | AN |
| 9/6/2009 1:00 | 9 | 0.6 | 1.3 | 175 | 10.8 | 51.4 | AN |
| 9/6/2009 2:00 | -1 | 0.9 | 2.0 | 165 | 9.9 | 49.8 | AN |
| 9/6/2009 3:00 | 15 | 1.3 | 2.9 | 165 | 10.9 | 51.6 | AN |
| 9/6/2009 4:00 | 0 | 1.5 | 3.4 | 175 | 10.8 | 51.4 | AN |
| 9/6/2009 5:00 | 6 | 1.9 | 4.3 | 209 | 11.2 | 52.2 | AN |
| 9/6/2009 6:00 | 6 | 1.3 | 2.9 | 184 | 10.4 | 50.7 | AN |
| 9/6/2009 7:00 | 19 | 1.1 | 2.5 | 141 | 11.1 | 52.0 | AN |
| 9/6/2009 8:00 | 6 | 0.8 | 1.8 | 186 | 13.3 | 55.9 | AN |
| 9/6/2009 9:00 | 14 | 1.9 | 4.3 | 193 | 18.4 | 65.1 | AN |
| 9/6/2009 10:00 | 10 | 2.7 | 6.0 | 190 | 21.1 | 70.0 | AN |
| 9/6/2009 11:00 | 20 | 2.3 | 5.1 | 196 | 23.9 | 75.0 | AN |
| 9/6/2009 12:00 | 11 | 2.3 | 5.1 | 184 | 25.2 | 77.4 | AN |
| 9/6/2009 13:00 | 7 | 3.3 | 7.4 | 227 | 25.3 | 77.5 | AN |
| 9/6/2009 14:00 | 5 | 2.4 | 5.4 | 11 | 21.7 | 71.1 | AN |
| 9/6/2009 15:00 | 21 | 2.4 | 5.4 | 20 | 20.5 | 68.9 | AN |
| 9/6/2009 16:00 | 19 | 2.6 | 5.8 | 28 | 19.5 | 67.1 | AN |
| 9/6/2009 17:00 | 17 | 2.0 | 4.5 | 32 | 18.3 | 64.9 | AN |
| 9/6/2009 18:00 | 23 | 1.9 | 4.3 | 49 | 17.8 | 64.0 | AN |
| 9/6/2009 19:00 | 15 | 1.7 | 3.8 | 41 | 16.7 | 62.1 | AN |
| 9/6/2009 20:00 | 14 | 1.5 | 3.4 | 63 | 15.2 | 59.4 | AN |
| 9/6/2009 21:00 | 10 | 1.6 | 3.6 | 54 | 14.2 | 57.6 | AN |
| 9/6/2009 22:00 | 3 | 1.5 | 3.4 | 55 | 13.3 | 55.9 | AN |
| 9/6/2009 23:00 | 10 | 1.7 | 3.8 | 51 | 12.6 | 54.7 | AN |
| 9/7/2009 0:00 | 8 | 1.3 | 2.9 | 19 | 11.5 | 52.7 | AN |
| 9/7/2009 1:00 | 6 | 1.2 | 2.7 | 306 | 7.2 | 45.0 | AN |
| 9/7/2009 2:00 | 3 | 0.6 | 1.3 | 306 | 5.2 | 41.4 | AN |
| 9/7/2009 3:00 | 14 | 0.4 | 0.9 | 204 | 3.5 | 38.3 | AN |
| 9/7/2009 4:00 | 3 | 0.5 | 1.1 | 226 | 3.5 | 38.3 | AN |
| 9/7/2009 5:00 | 4 | 0.9 | 2.0 | 148 | 3.7 | 38.7 | AN |
| 9/7/2009 6:00 | 8 | 0.9 | 2.0 | 185 | 4 | 39.2 | AN |
| 9/7/2009 7:00 | -3 | 0.5 | 1.1 | 70 | 2.7 | 36.9 | AN |
| 9/7/2009 8:00 | 16 | 0.8 | 1.8 | 231 | 6.8 | 44.2 | AN |
| 9/7/2009 9:00 | 5 | 1.1 | 2.5 | 359 | 10.4 | 50.7 | AN |
| 9/7/2009 10:00 | 10 | 1.6 | 3.6 | 7 | 12.8 | 55.0 | AN |
| 9/7/2009 11:00 | 4 | 1.5 | 3.4 | 3 | 13.3 | 55.9 | AN |
| 9/7/2009 12:00 | 14 | 1.4 | 3.1 | 25 | 15.2 | 59.4 | AN |
| 9/7/2009 13:00 | 4 | 1.6 | 3.6 | 360 | 16.3 | 61.3 | AN |
| 9/7/2009 14:00 | 7 | 1.7 | 3.8 | 359 | 17.6 | 63.7 | AN |
| 9/7/2009 15:00 | 5 | 2.3 | 5.1 | 351 | 17.8 | 64.0 | AN |
| 9/7/2009 16:00 | 9 | 1.9 | 4.3 | 15 | 17.3 | 63.1 | AN |
| 9/7/2009 17:00 | 11 | 1.9 | 4.3 | 7 | 16.0 | 60.8 | 38 |
| 9/7/2009 18:00 | -5 | 1.7 | 3.8 | 49 | 14.2 | 57.6 | 44 |
| 9/7/2009 19:00 | 13 | 1.8 | 4.0 | 42 | 12.8 | 55.0 | 48 |
| 9/7/2009 20:00 | -5 | 1.5 | 3.4 | 28 | 10.4 | 50.7 | 53 |
| 9/7/2009 21:00 | 0 | 1.5 | 3.4 | 54 | 9.8 | 49.6 | 53 |
| 9/7/2009 22:00 | -3 | 1.0 | 2.2 | 58 | 8.9 | 48.0 | 55 |

| Date & Time Mountain Standard Time (data for hour ending) | PM10 Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|---------------------------|---|--|--|--|---|--|
| 9/7/2009 23:00 | 2 | 0.8 | 1.8 | 330 | 6.0 | 42.8 | 66 |
| 9/8/2009 0:00 | 31 | 0.5 | 1.1 | 224 | 2.4 | 36.3 | 84 |
| 9/8/2009 1:00 | -5 | 0.6 | 1.3 | 120 | 1.3 | 34.3 | 85 |
| 9/8/2009 2:00 | 23 | 1.0 | 2.2 | 118 | 1.1 | 34.0 | 84 |
| 9/8/2009 3:00 | -5 | 0.8 | 1.8 | 70 | -0.4 | 31.3 | 86 |
| 9/8/2009 4:00 | 4 | 0.7 | 1.6 | 216 | -1.0 | 30.2 | 87 |
| 9/8/2009 5:00 | -3 | 1.4 | 3.1 | 194 | -0.1 | 31.8 | 86 |
| 9/8/2009 6:00 | -5 | 1.3 | 2.9 | 191 | 1.8 | 35.2 | 78 |
| 9/8/2009 7:00 | 2 | 1.1 | 2.5 | 161 | 2.2 | 36.0 | 76 |
| 9/8/2009 8:00 | 5 | 1.8 | 4.0 | 172 | 6.5 | 43.7 | 62 |
| 9/8/2009 9:00 | 5 | 2.7 | 6.0 | 190 | 10.3 | 50.5 | 47 |
| 9/8/2009 10:00 | 4 | 2.8 | 6.3 | 194 | 12.7 | 54.9 | 37 |
| 9/8/2009 11:00 | 10 | 2.9 | 6.5 | 177 | 14.3 | 57.7 | 33 |
| 9/8/2009 12:00 | 6 | 2.8 | 6.3 | 193 | 15.9 | 60.6 | 30 |
| 9/8/2009 13:00 | 6 | 1.7 | 3.8 | 306 | 17.0 | 62.6 | 28 |
| 9/8/2009 14:00 | 6 | 1.7 | 3.8 | 320 | 18.5 | 65.3 | 25 |
| 9/8/2009 15:00 | 6 | 1.8 | 4.0 | 204 | 20.2 | 68.4 | 19 |
| 9/8/2009 16:00 | 3 | 1.8 | 4.0 | 172 | 20.4 | 68.7 | 17 |
| 9/8/2009 17:00 | 3 | 1.6 | 3.6 | 314 | 20.6 | 69.1 | 17 |
| 9/8/2009 18:00 | 8 | 1.1 | 2.5 | 16 | 19.3 | 66.7 | 21 |
| 9/8/2009 19:00 | -2 | 0.8 | 1.8 | 354 | 15.7 | 60.3 | 34 |
| 9/8/2009 20:00 | -5 | 0.9 | 2.0 | 300 | 10.4 | 50.7 | 44 |
| 9/8/2009 21:00 | 1 | 1.1 | 2.5 | 266 | 5.4 | 41.7 | 64 |
| 9/8/2009 22:00 | 1 | 0.8 | 1.8 | 138 | 5.3 | 41.5 | 64 |
| 9/8/2009 23:00 | 4 | 1.4 | 3.1 | 160 | 6.2 | 43.2 | 56 |
| 9/9/2009 0:00 | 10 | 1.2 | 2.7 | 164 | 5.0 | 41.0 | 60 |
| 9/9/2009 1:00 | 11 | 1.3 | 2.9 | 173 | 4.6 | 40.3 | 59 |
| 9/9/2009 2:00 | 2 | 1.3 | 2.9 | 186 | 3.7 | 38.7 | 62 |
| 9/9/2009 3:00 | 1 | 1.3 | 2.9 | 200 | 3.2 | 37.8 | 63 |
| 9/9/2009 4:00 | 5 | 1.1 | 2.5 | 154 | 3.4 | 38.1 | 60 |
| 9/9/2009 5:00 | 0 | 1.5 | 3.4 | 182 | 2.7 | 36.9 | 61 |
| 9/9/2009 6:00 | 4 | 1.4 | 3.1 | 184 | 2.2 | 36.0 | 62 |
| 9/9/2009 7:00 | -2 | 2.3 | 5.1 | 180 | 4.1 | 39.4 | 54 |
| 9/9/2009 8:00 | 13 | 2.2 | 4.9 | 191 | 8.3 | 46.9 | 42 |
| 9/9/2009 9:00 | 12 | 2.3 | 5.1 | 186 | 13.0 | 55.4 | 32 |
| 9/9/2009 10:00 | 16 | 2.2 | 4.9 | 172 | 17.6 | 63.7 | 24 |
| 9/9/2009 11:00 | 11 | 3.9 | 8.7 | 193 | 20.3 | 68.5 | 16 |
| 9/9/2009 12:00 | 9 | 3.5 | 7.8 | 202 | 22.4 | 72.3 | 12 |
| 9/9/2009 13:00 | 5 | 3.2 | 7.2 | 202 | 24.1 | 75.4 | 11 |
| 9/9/2009 14:00 | 1 | 4.0 | 8.9 | 280 | 25.4 | 77.7 | 11 |
| 9/9/2009 15:00 | 5 | 2.0 | 4.5 | 358 | 25.0 | 77.0 | 15 |
| 9/9/2009 16:00 | 10 | 1.6 | 3.6 | 17 | 24.8 | 76.6 | 15 |
| 9/9/2009 17:00 | -3 | 1.6 | 3.6 | 7 | 23.2 | 73.8 | 19 |
| 9/9/2009 18:00 | -5 | 1.2 | 2.7 | 31 | 20.6 | 69.1 | 28 |
| 9/9/2009 19:00 | -2 | 0.7 | 1.6 | 63 | 19.5 | 67.1 | 26 |
| 9/9/2009 20:00 | 3 | 0.9 | 2.0 | 280 | 14.6 | 58.3 | 45 |
| 9/9/2009 21:00 | -3 | 0.8 | 1.8 | 151 | 11.9 | 53.4 | 57 |
| 9/9/2009 22:00 | 0 | 1.4 | 3.1 | 155 | 11.9 | 53.4 | 54 |
| 9/9/2009 23:00 | 7 | 1.2 | 2.7 | 152 | 10.6 | 51.1 | 57 |
| 9/10/2009 0:00 | 17 | 1.1 | 2.5 | 180 | 9.3 | 48.7 | 61 |
| 9/10/2009 1:00 | 5 | 1.4 | 3.1 | 152 | 8.9 | 48.0 | 59 |
| 9/10/2009 2:00 | 6 | 0.6 | 1.3 | 142 | 6.3 | 43.3 | 72 |
| 9/10/2009 3:00 | 2 | 0.7 | 1.6 | 202 | 3.6 | 38.5 | 83 |
| 9/10/2009 4:00 | -5 | 1.0 | 2.2 | 178 | 5.3 | 41.5 | 74 |
| 9/10/2009 5:00 | 16 | 1.6 | 3.6 | 216 | 7.0 | 44.6 | 65 |
| 9/10/2009 6:00 | 9 | 0.8 | 1.8 | 48 | 5.1 | 41.2 | 72 |
| 9/10/2009 7:00 | -3 | 0.9 | 2.0 | 279 | 3.1 | 37.6 | 80 |
| 9/10/2009 8:00 | 16 | 0.7 | 1.6 | 289 | 6.3 | 43.3 | 72 |
| 9/10/2009 9:00 | 11 | 1.3 | 2.9 | 154 | 11.8 | 53.2 | 52 |
| 9/10/2009 10:00 | 18 | 1.0 | 2.2 | 174 | 16.7 | 62.1 | 37 |
| 9/10/2009 11:00 | 24 | 1.4 | 3.1 | 10 | 19.7 | 67.5 | 33 |
| 9/10/2009 12:00 | 6 | 1.9 | 4.3 | 355 | 18.9 | 66.0 | 37 |
| 9/10/2009 13:00 | 14 | 1.4 | 3.1 | 27 | 19.8 | 67.6 | 32 |
| 9/10/2009 14:00 | 6 | 1.9 | 4.3 | 359 | 20.9 | 69.6 | 30 |
| 9/10/2009 15:00 | 11 | 1.7 | 3.8 | 8 | 21.8 | 71.2 | 28 |
| 9/10/2009 16:00 | 8 | 1.2 | 2.7 | 44 | 23.2 | 73.8 | 21 |
| 9/10/2009 17:00 | 1 | 1.4 | 3.1 | 20 | 23.2 | 73.8 | 20 |
| 9/10/2009 18:00 | 11 | 1.3 | 2.9 | 41 | 22.6 | 72.7 | 21 |
| 9/10/2009 19:00 | 0 | 1.1 | 2.5 | 21 | 19.0 | 66.2 | 31 |
| 9/10/2009 20:00 | -5 | 0.9 | 2.0 | 18 | 15.6 | 60.1 | 39 |
| 9/10/2009 21:00 | -1 | 0.7 | 1.6 | 321 | 10.4 | 50.7 | 58 |
| 9/10/2009 22:00 | 8 | 0.8 | 1.8 | 260 | 8.4 | 47.1 | 66 |
| 9/10/2009 23:00 | 10 | 0.5 | 1.1 | 138 | 8.7 | 47.7 | 66 |
| 9/11/2009 0:00 | 23 | 0.7 | 1.6 | 135 | 6.7 | 44.1 | 78 |
| 9/11/2009 1:00 | 1 | 1.0 | 2.2 | 181 | 6.7 | 44.1 | 71 |
| 9/11/2009 2:00 | 15 | 0.8 | 1.8 | 143 | 5.2 | 41.4 | 76 |
| 9/11/2009 3:00 | 4 | 1.0 | 2.2 | 143 | 4.0 | 39.2 | 80 |
| 9/11/2009 4:00 | 19 | 0.9 | 2.0 | 132 | 3.7 | 38.7 | 81 |
| 9/11/2009 5:00 | 23 | 0.9 | 2.0 | 127 | 2.8 | 37.0 | 83 |
| 9/11/2009 6:00 | 25 | 0.9 | 2.0 | 140 | 2.6 | 36.7 | 84 |
| 9/11/2009 7:00 | 23 | 1.1 | 2.5 | 174 | 4.2 | 39.6 | 76 |
| 9/11/2009 8:00 | 7 | 1.4 | 3.1 | 184 | 8.4 | 47.1 | 59 |
| 9/11/2009 9:00 | 31 | 1.6 | 3.6 | 201 | 12.8 | 55.0 | 47 |
| 9/11/2009 10:00 | 20 | 1.1 | 2.5 | 186 | 16.7 | 62.1 | 36 |
| 9/11/2009 11:00 | 15 | 1.2 | 2.7 | 294 | 18.9 | 66.0 | 32 |

| Date & Time Mountain Standard Time (data for hour ending) | PM10 Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|---------------------------|---|--|--|--|---|--|
| 9/11/2009 12:00 | 10 | 1.4 | 3.1 | 333 | 20.4 | 68.7 | 29 |
| 9/11/2009 13:00 | 14 | 1.6 | 3.6 | 352 | 21.4 | 70.5 | 28 |
| 9/11/2009 14:00 | 10 | 1.5 | 3.4 | 321 | 22.4 | 72.3 | 25 |
| 9/11/2009 15:00 | 8 | 1.9 | 4.3 | 327 | 23.4 | 74.1 | 26 |
| 9/11/2009 16:00 | 7 | 1.4 | 3.1 | 348 | 23.9 | 75.0 | 22 |
| 9/11/2009 17:00 | 4 | 1.4 | 3.1 | 345 | 24.0 | 75.2 | 21 |
| 9/11/2009 18:00 | 9 | 1.0 | 2.2 | 1 | 23.1 | 73.6 | 26 |
| 9/11/2009 19:00 | 22 | 0.5 | 1.1 | 334 | 19.0 | 66.2 | 41 |
| 9/11/2009 20:00 | -5 | 0.8 | 1.8 | 218 | 12.7 | 54.9 | 58 |
| 9/11/2009 21:00 | 7 | 0.7 | 1.6 | 160 | 11.2 | 52.2 | 60 |
| 9/11/2009 22:00 | 9 | 1.0 | 2.2 | 147 | 9.4 | 48.9 | 67 |
| 9/11/2009 23:00 | 10 | 1.1 | 2.5 | 132 | 7.7 | 45.9 | 72 |
| 9/12/2009 0:00 | 10 | 0.8 | 1.8 | 149 | 6.0 | 42.8 | 74 |
| 9/12/2009 1:00 | 19 | 1.1 | 2.5 | 143 | 5.8 | 42.4 | 74 |
| 9/12/2009 2:00 | 5 | 0.9 | 2.0 | 134 | 4.5 | 40.1 | 76 |
| 9/12/2009 3:00 | 9 | 1.3 | 2.9 | 146 | 4.6 | 40.3 | 73 |
| 9/12/2009 4:00 | 0 | 1.5 | 3.4 | 194 | 4.9 | 40.8 | 70 |
| 9/12/2009 5:00 | 14 | 1.2 | 2.7 | 168 | 4.6 | 40.3 | 70 |
| 9/12/2009 6:00 | 8 | 1.2 | 2.7 | 145 | 3.7 | 38.7 | 73 |
| 9/12/2009 7:00 | 0 | 1.1 | 2.5 | 160 | 4.0 | 39.2 | 71 |
| 9/12/2009 8:00 | 8 | 1.4 | 3.1 | 175 | 9.0 | 48.2 | 57 |
| 9/12/2009 9:00 | 12 | 1.9 | 4.3 | 186 | 14.2 | 57.6 | 42 |
| 9/12/2009 10:00 | 14 | 2.1 | 4.7 | 204 | 18.1 | 64.6 | 33 |
| 9/12/2009 11:00 | 18 | 2 | 4.5 | 220 | 20.6 | 69.1 | 26 |
| 9/12/2009 12:00 | 6 | 2.3 | 5.1 | 202 | 22.6 | 72.7 | 20 |
| 9/12/2009 13:00 | 10 | 1.8 | 4.0 | 245 | 23.9 | 75.0 | 17 |
| 9/12/2009 14:00 | 9 | 2.2 | 4.9 | 253 | 25.1 | 77.2 | 14 |
| 9/12/2009 15:00 | -5 | 1.8 | 4.0 | 282 | 25.7 | 78.3 | 13 |
| 9/12/2009 16:00 | 11 | 1.4 | 3.1 | 332 | 26.1 | 79.0 | 11 |
| 9/12/2009 17:00 | 0 | 0.9 | 2.0 | 17 | 26.2 | 79.2 | 12 |
| 9/12/2009 18:00 | 6 | 0.8 | 1.8 | 18 | 25.1 | 77.2 | 20 |
| 9/12/2009 19:00 | 13 | 1.2 | 2.7 | 296 | 19.4 | 66.9 | 42 |
| 9/12/2009 20:00 | -5 | 1.0 | 2.2 | 270 | 14.9 | 58.8 | 45 |
| 9/12/2009 21:00 | 7 | 0.8 | 1.8 | 239 | 12.8 | 55.0 | 42 |
| 9/12/2009 22:00 | 2 | 1.1 | 2.5 | 207 | 9.2 | 48.6 | 57 |
| 9/12/2009 23:00 | 9 | 1.0 | 2.2 | 166 | 8.4 | 47.1 | 57 |
| 9/13/2009 0:00 | 19 | 1.0 | 2.2 | 163 | 7.8 | 46.0 | 62 |
| 9/13/2009 1:00 | 7 | 0.7 | 1.6 | 195 | 8.2 | 46.8 | 59 |
| 9/13/2009 2:00 | 0 | 0.8 | 1.8 | 119 | 6.4 | 43.5 | 66 |
| 9/13/2009 3:00 | 8 | 1.3 | 2.9 | 158 | 6.2 | 43.2 | 65 |
| 9/13/2009 4:00 | 3 | 1.2 | 2.7 | 164 | 5.3 | 41.5 | 68 |
| 9/13/2009 5:00 | -3 | 1.2 | 2.7 | 156 | 4.1 | 39.4 | 72 |
| 9/13/2009 6:00 | 3 | 0.8 | 1.8 | 166 | 3.4 | 38.1 | 76 |
| 9/13/2009 7:00 | 12 | 0.8 | 1.8 | 152 | 3.7 | 38.7 | 74 |
| 9/13/2009 8:00 | -2 | 1.5 | 3.4 | 206 | 8.8 | 47.8 | 55 |
| 9/13/2009 9:00 | 13 | 1.3 | 2.9 | 240 | 12.9 | 55.2 | 44 |
| 9/13/2009 10:00 | 10 | 1.5 | 3.4 | 117 | 15.5 | 59.9 | 41 |
| 9/13/2009 11:00 | 18 | 1.3 | 2.9 | 61 | 18.4 | 65.1 | 31 |
| 9/13/2009 12:00 | 12 | 1.5 | 3.4 | 353 | 20.2 | 68.4 | 28 |
| 9/13/2009 13:00 | -2 | 1.6 | 3.6 | 5 | 21.2 | 70.2 | 24 |
| 9/13/2009 14:00 | 8 | 1.7 | 3.8 | 354 | 22.3 | 72.1 | 20 |
| 9/13/2009 15:00 | 5 | 1.7 | 3.8 | 10 | 23.1 | 73.6 | 21 |
| 9/13/2009 16:00 | 4 | 1.7 | 3.8 | 359 | 23.7 | 74.7 | 20 |
| 9/13/2009 17:00 | 5 | 2.0 | 4.5 | 346 | 23.1 | 73.6 | 21 |
| 9/13/2009 18:00 | 4 | 1.5 | 3.4 | 340 | 20.7 | 69.3 | 29 |
| 9/13/2009 19:00 | 0 | 1.6 | 3.6 | 329 | 17.9 | 64.2 | 39 |
| 9/13/2009 20:00 | 3 | 1.1 | 2.5 | 358 | 15.8 | 60.4 | 42 |
| 9/13/2009 21:00 | 6 | 0.9 | 2.0 | 110 | 12.0 | 53.6 | 56 |
| 9/13/2009 22:00 | 5 | 0.7 | 1.6 | 135 | 8.6 | 47.5 | 71 |
| 9/13/2009 23:00 | 1 | 0.8 | 1.8 | 127 | 7.9 | 46.2 | 70 |
| 9/14/2009 0:00 | 20 | 1.3 | 2.9 | 151 | 8.5 | 47.3 | 64 |
| 9/14/2009 1:00 | 10 | 1.3 | 2.9 | 137 | 8.2 | 46.8 | 67 |
| 9/14/2009 2:00 | 5 | 1.2 | 2.7 | 122 | 8.2 | 46.8 | 65 |
| 9/14/2009 3:00 | 5 | 1.0 | 2.2 | 157 | 8.0 | 46.4 | 67 |
| 9/14/2009 4:00 | 13 | 0.6 | 1.3 | 317 | 5.6 | 42.1 | 79 |
| 9/14/2009 5:00 | 4 | 0.9 | 2.0 | 170 | 6.4 | 43.5 | 74 |
| 9/14/2009 6:00 | -1 | 0.9 | 2.0 | 151 | 7.3 | 45.1 | 69 |
| 9/14/2009 7:00 | 8 | 1.3 | 2.9 | 189 | 9.2 | 48.6 | 62 |
| 9/14/2009 8:00 | 21 | 1.4 | 3.1 | 171 | 13.0 | 55.4 | 52 |
| 9/14/2009 9:00 | 26 | 1.0 | 2.2 | 136 | 16.1 | 61.0 | 47 |
| 9/14/2009 10:00 | 13 | 1.4 | 3.1 | 26 | 16.5 | 61.7 | 47 |
| 9/14/2009 11:00 | 21 | 1.5 | 3.4 | 4 | 19.5 | 67.1 | 39 |
| 9/14/2009 12:00 | 21 | 1.6 | 3.6 | 355 | 22.8 | 73.0 | 31 |
| 9/14/2009 13:00 | 11 | 1.3 | 2.9 | 27 | 23.2 | 73.8 | 32 |
| 9/14/2009 14:00 | 16 | 1.8 | 4.0 | 7 | 25.4 | 77.7 | 25 |
| 9/14/2009 15:00 | 14 | 1.5 | 3.4 | 17 | 25.3 | 77.5 | 25 |
| 9/14/2009 16:00 | 8 | 1.5 | 3.4 | 25 | 26.7 | 80.1 | 20 |
| 9/14/2009 17:00 | 12 | 1.6 | 3.6 | 23 | 26.5 | 79.7 | 20 |
| 9/14/2009 18:00 | 6 | 1.3 | 2.9 | 34 | 24.9 | 76.8 | 26 |
| 9/14/2009 19:00 | 4 | 0.9 | 2.0 | 56 | 21.8 | 71.2 | 32 |
| 9/14/2009 20:00 | -2 | 0.6 | 1.3 | 310 | 18.7 | 65.7 | 41 |
| 9/14/2009 21:00 | 9 | 0.6 | 1.3 | 287 | 15.1 | 59.2 | 56 |
| 9/14/2009 22:00 | 5 | 0.6 | 1.3 | 273 | 14.5 | 58.1 | 61 |
| 9/14/2009 23:00 | 10 | 0.5 | 1.1 | 210 | 12.8 | 55.0 | 68 |
| 9/15/2009 0:00 | 23 | 0.6 | 1.3 | 272 | 10.6 | 51.1 | 73 |

| Date & Time Mountain Standard Time (data for hour ending) | PM10 Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|---------------------------|---|--|--|--|---|--|
| 9/15/2009 1:00 | 7 | 0.7 | 1.6 | 125 | 10.1 | 50.2 | 75 |
| 9/15/2009 2:00 | 3 | 0.6 | 1.3 | 221 | 9.8 | 49.6 | 78 |
| 9/15/2009 3:00 | 12 | 0.6 | 1.3 | 170 | 8.1 | 46.6 | 83 |
| 9/15/2009 4:00 | 22 | 0.5 | 1.1 | 131 | 8.1 | 46.6 | 83 |
| 9/15/2009 5:00 | 9 | 0.7 | 1.6 | 114 | 9.0 | 48.2 | 79 |
| 9/15/2009 6:00 | 28 | 0.7 | 1.6 | 203 | 10.1 | 50.2 | 77 |
| 9/15/2009 7:00 | -1 | 0.6 | 1.3 | 114 | 10.4 | 50.7 | 77 |
| 9/15/2009 8:00 | 17 | 0.7 | 1.6 | 223 | 14.3 | 57.7 | 62 |
| 9/15/2009 9:00 | 19 | 0.9 | 2.0 | 110 | 17.9 | 64.2 | 49 |
| 9/15/2009 10:00 | 17 | 1.1 | 2.5 | 348 | 18.4 | 65.1 | 48 |
| 9/15/2009 11:00 | 18 | 1.4 | 3.1 | 2 | 20.0 | 68.0 | 44 |
| 9/15/2009 12:00 | 11 | 1.8 | 4.0 | 353 | 22.0 | 71.6 | 38 |
| 9/15/2009 13:00 | BA | 1.4 | 3.1 | 36 | 24.0 | 75.2 | 32 |
| 9/15/2009 14:00 | 48 | 1.4 | 3.1 | 17 | 25.4 | 77.7 | 30 |
| 9/15/2009 15:00 | 17 | 1.6 | 3.6 | 348 | 26.8 | 80.2 | 26 |
| 9/15/2009 16:00 | 11 | 1.7 | 3.8 | 335 | 27.7 | 81.9 | 23 |
| 9/15/2009 17:00 | 8 | 1.8 | 4.0 | 327 | 27.4 | 81.3 | 24 |
| 9/15/2009 18:00 | 22 | 1.0 | 2.2 | 319 | 23.9 | 75.0 | 38 |
| 9/15/2009 19:00 | 17 | 0.6 | 1.3 | 185 | 20.1 | 68.2 | 52 |
| 9/15/2009 20:00 | 0 | 0.7 | 1.6 | 218 | 17.7 | 63.9 | 59 |
| 9/15/2009 21:00 | 19 | 1.0 | 2.2 | 220 | 19.1 | 66.4 | 51 |
| 9/15/2009 22:00 | 10 | 1.0 | 2.2 | 208 | 17.3 | 63.1 | 60 |
| 9/15/2009 23:00 | 13 | 0.9 | 2.0 | 220 | 14.2 | 57.6 | 71 |
| 9/16/2009 0:00 | 17 | 0.6 | 1.3 | 329 | 11.0 | 51.8 | 80 |
| 9/16/2009 1:00 | 18 | 1.0 | 2.2 | 210 | 12.1 | 53.8 | 76 |
| 9/16/2009 2:00 | 2 | 1.1 | 2.5 | 138 | 10.8 | 51.4 | 79 |
| 9/16/2009 3:00 | -1 | 0.7 | 1.6 | 160 | 11.2 | 52.2 | 76 |
| 9/16/2009 4:00 | 3 | 1 | 2.2 | 157 | 9.9 | 49.8 | 80 |
| 9/16/2009 5:00 | 31 | 1.1 | 2.5 | 135 | 9.9 | 49.8 | 79 |
| 9/16/2009 6:00 | 4 | 0.7 | 1.6 | 190 | 9.2 | 48.6 | 82 |
| 9/16/2009 7:00 | 6 | 1.8 | 4.0 | 213 | 10.7 | 51.3 | 76 |
| 9/16/2009 8:00 | 16 | 1.8 | 4.0 | 191 | 14.8 | 58.6 | 61 |
| 9/16/2009 9:00 | 15 | 2.0 | 4.5 | 188 | 18.4 | 65.1 | 50 |
| 9/16/2009 10:00 | 26 | 1.7 | 3.8 | 209 | 22.2 | 72.0 | 40 |
| 9/16/2009 11:00 | 21 | 1.5 | 3.4 | 281 | 25.2 | 77.4 | 33 |
| 9/16/2009 12:00 | 3 | 2.2 | 4.9 | 159 | 27.6 | 81.7 | 25 |
| 9/16/2009 13:00 | 5 | 3.1 | 6.9 | 149 | 27.9 | 82.2 | 26 |
| 9/16/2009 14:00 | 7 | 3.6 | 8.1 | 150 | 28.3 | 82.9 | 23 |
| 9/16/2009 15:00 | 8 | 3.3 | 7.4 | 149 | 28.8 | 83.8 | 21 |
| 9/16/2009 16:00 | 4 | 3.6 | 8.1 | 149 | 28.3 | 82.9 | 23 |
| 9/16/2009 17:00 | 3 | 2.7 | 6.0 | 154 | 28.0 | 82.4 | 25 |
| 9/16/2009 18:00 | 8 | 2.2 | 4.9 | 160 | 26.6 | 79.9 | 28 |
| 9/16/2009 19:00 | 8 | 1.3 | 2.9 | 186 | 23.6 | 74.5 | 36 |
| 9/16/2009 20:00 | 2 | 1.3 | 2.9 | 187 | 20.8 | 69.4 | 41 |
| 9/16/2009 21:00 | -5 | 1.2 | 2.7 | 212 | 19.1 | 66.4 | 45 |
| 9/16/2009 22:00 | 2 | 1.3 | 2.9 | 183 | 18.5 | 65.3 | 43 |
| 9/16/2009 23:00 | 12 | 1.1 | 2.5 | 191 | 15.4 | 59.7 | 54 |
| 9/17/2009 0:00 | 20 | 0.8 | 1.8 | 285 | 11.1 | 52.0 | 73 |
| 9/17/2009 1:00 | 2 | 1.3 | 2.9 | 189 | 13.5 | 56.3 | 59 |
| 9/17/2009 2:00 | 9 | 1.8 | 4.0 | 191 | 14.6 | 58.3 | 55 |
| 9/17/2009 3:00 | 6 | 2.4 | 5.4 | 191 | 14.8 | 58.6 | 54 |
| 9/17/2009 4:00 | 17 | 2.7 | 6.0 | 194 | 14.2 | 57.6 | 55 |
| 9/17/2009 5:00 | 3 | 2.5 | 5.6 | 198 | 13.9 | 57.0 | 56 |
| 9/17/2009 6:00 | -1 | 2.6 | 5.8 | 193 | 13.5 | 56.3 | 56 |
| 9/17/2009 7:00 | 13 | 2.0 | 4.5 | 203 | 12.7 | 54.9 | 58 |
| 9/17/2009 8:00 | 14 | 1.4 | 3.1 | 204 | 15.7 | 60.3 | 51 |
| 9/17/2009 9:00 | 17 | 2.4 | 5.4 | 178 | 20.5 | 68.9 | 40 |
| 9/17/2009 10:00 | 14 | 2.5 | 5.6 | 177 | 24.9 | 76.8 | 30 |
| 9/17/2009 11:00 | 10 | 2.8 | 6.3 | 183 | 26.4 | 79.5 | 27 |
| 9/17/2009 12:00 | 3 | 3.5 | 7.8 | 202 | 27.3 | 81.1 | 24 |
| 9/17/2009 13:00 | 15 | 3.6 | 8.1 | 216 | 28.3 | 82.9 | 19 |
| 9/17/2009 14:00 | -4 | 3.8 | 8.5 | 207 | 27.9 | 82.2 | 18 |
| 9/17/2009 15:00 | 11 | 3.2 | 7.2 | 201 | 28.2 | 82.8 | 19 |
| 9/17/2009 16:00 | 2 | 2 | 4.5 | 210 | 27.7 | 81.9 | 20 |
| 9/17/2009 17:00 | 25 | 2.2 | 4.9 | 349 | 27.4 | 81.3 | 24 |
| 9/17/2009 18:00 | 14 | 1.6 | 3.6 | 26 | 25.1 | 77.2 | 32 |
| 9/17/2009 19:00 | 21 | 1.9 | 4.3 | 29 | 22.1 | 71.8 | 42 |
| 9/17/2009 20:00 | 11 | 1.0 | 2.2 | 49 | 19.6 | 67.3 | 48 |
| 9/17/2009 21:00 | 8 | 1.0 | 2.2 | 41 | 18.7 | 65.7 | 49 |
| 9/17/2009 22:00 | 20 | 0.7 | 1.6 | 281 | 13.9 | 57.0 | 66 |
| 9/17/2009 23:00 | 4 | 0.7 | 1.6 | 258 | 12.4 | 54.3 | 72 |
| 9/18/2009 0:00 | 35 | 0.7 | 1.6 | 338 | 12.2 | 54.0 | 75 |
| 9/18/2009 1:00 | 7 | 0.6 | 1.3 | 30 | 12.2 | 54.0 | 75 |
| 9/18/2009 2:00 | 13 | 0.8 | 1.8 | 192 | 10.7 | 51.3 | 80 |
| 9/18/2009 3:00 | 2 | 0.7 | 1.6 | 164 | 9.7 | 49.5 | 82 |
| 9/18/2009 4:00 | 12 | 1.0 | 2.2 | 129 | 9.3 | 48.7 | 83 |
| 9/18/2009 5:00 | 18 | 0.5 | 1.1 | 230 | 7.5 | 45.5 | 87 |
| 9/18/2009 6:00 | 8 | 0.7 | 1.6 | 204 | 6.6 | 43.9 | 91 |
| 9/18/2009 7:00 | 25 | 0.9 | 2.0 | 161 | 7.8 | 46.0 | 88 |
| 9/18/2009 8:00 | 165 | 1.2 | 2.7 | 190 | 12.1 | 53.8 | 70 |
| 9/18/2009 9:00 | 54 | 1.4 | 3.1 | 185 | 16.1 | 61.0 | 56 |
| 9/18/2009 10:00 | 23 | 1.2 | 2.7 | 213 | 18.9 | 66.0 | 48 |
| 9/18/2009 11:00 | 17 | 1.0 | 2.2 | 52 | 21.3 | 70.3 | 43 |
| 9/18/2009 12:00 | 25 | BA | BA | BA | 22.7 | 72.9 | 40 |
| 9/18/2009 13:00 | 15 | 1.3 | 2.9 | 22 | 24.7 | 76.5 | 35 |
| 9/18/2009 14:00 | 10 | 1.3 | 2.9 | 17 | 26.3 | 79.3 | 32 |

| Date & Time Mountain Standard Time (data for hour ending) | PM10 Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|---------------------------|---|--|--|--|---|--|
| 9/18/2009 15:00 | 12 | 1.5 | 3.4 | 348 | 28.2 | 82.8 | 27 |
| 9/18/2009 16:00 | 9 | 1.1 | 2.5 | 35 | 29.1 | 84.4 | 23 |
| 9/18/2009 17:00 | 4 | 0.9 | 2.0 | 54 | 29.1 | 84.4 | 23 |
| 9/18/2009 18:00 | 2 | 0.6 | 1.3 | 36 | 27.4 | 81.3 | 30 |
| 9/18/2009 19:00 | 18 | 0.5 | 1.1 | 0 | 22.0 | 71.6 | 47 |
| 9/18/2009 20:00 | -3 | 0.5 | 1.1 | 192 | 15.6 | 60.1 | 70 |
| 9/18/2009 21:00 | 12 | 0.9 | 2.0 | 175 | 14.5 | 58.1 | 71 |
| 9/18/2009 22:00 | 16 | 1.4 | 3.1 | 145 | 14.4 | 57.9 | 65 |
| 9/18/2009 23:00 | 5 | 1.3 | 2.9 | 171 | 13.7 | 56.7 | 65 |
| 9/19/2009 0:00 | 20 | 1.1 | 2.5 | 140 | 12.2 | 54.0 | 70 |
| 9/19/2009 1:00 | 10 | 1.3 | 2.9 | 156 | 11.7 | 53.1 | 69 |
| 9/19/2009 2:00 | 0 | 0.6 | 1.3 | 188 | 9.5 | 49.1 | 79 |
| 9/19/2009 3:00 | 12 | 1.5 | 3.4 | 181 | 11.7 | 53.1 | 69 |
| 9/19/2009 4:00 | 15 | 2.0 | 4.5 | 189 | 14.3 | 57.7 | 56 |
| 9/19/2009 5:00 | 11 | 1.9 | 4.3 | 190 | 14.1 | 57.4 | 55 |
| 9/19/2009 6:00 | 7 | 1.4 | 3.1 | 281 | 13.2 | 55.8 | 57 |
| 9/19/2009 7:00 | 11 | 2.3 | 5.1 | 222 | 13.8 | 56.8 | 55 |
| 9/19/2009 8:00 | 9 | 2.3 | 5.1 | 205 | 16.5 | 61.7 | 46 |
| 9/19/2009 9:00 | 17 | 3.0 | 6.7 | 183 | 22.7 | 72.9 | 29 |
| 9/19/2009 10:00 | 21 | 4 | 8.9 | 155 | 24.2 | 75.6 | 26 |
| 9/19/2009 11:00 | 14 | 3.8 | 8.5 | 166 | 25.8 | 78.4 | 23 |
| 9/19/2009 12:00 | 4 | 4.9 | 11.0 | 194 | 27.6 | 81.7 | 21 |
| 9/19/2009 13:00 | 16 | 4.8 | 10.7 | 208 | 28.9 | 84.0 | 19 |
| 9/19/2009 14:00 | 5 | 4.3 | 9.6 | 221 | 29.7 | 85.5 | 15 |
| 9/19/2009 15:00 | 11 | 4.4 | 9.8 | 226 | 29.7 | 85.5 | 14 |
| 9/19/2009 16:00 | 6 | 3.8 | 8.5 | 228 | 28.7 | 83.7 | 16 |
| 9/19/2009 17:00 | 0 | 2.1 | 4.7 | 301 | 26.9 | 80.4 | 24 |
| 9/19/2009 18:00 | 39 | 1.9 | 4.3 | 15 | 24 | 75.2 | 34 |
| 9/19/2009 19:00 | 11 | 2.0 | 4.5 | 30 | 21.0 | 69.8 | 40 |
| 9/19/2009 20:00 | 14 | 1.8 | 4.0 | 46 | 19.4 | 66.9 | 39 |
| 9/19/2009 21:00 | 14 | 1.4 | 3.1 | 40 | 18.1 | 64.6 | 39 |
| 9/19/2009 22:00 | 10 | 1.3 | 2.9 | 294 | 16.5 | 61.7 | 43 |
| 9/19/2009 23:00 | 19 | 1.2 | 2.7 | 45 | 15.9 | 60.6 | 55 |
| 9/20/2009 0:00 | 8 | 0.7 | 1.6 | 263 | 12.9 | 55.2 | 68 |
| 9/20/2009 1:00 | 2 | 0.8 | 1.8 | 314 | 11.7 | 53.1 | 69 |
| 9/20/2009 2:00 | 14 | 0.8 | 1.8 | 10 | 12.1 | 53.8 | 67 |
| 9/20/2009 3:00 | -5 | 1.7 | 3.8 | 309 | 11.4 | 52.5 | 68 |
| 9/20/2009 4:00 | 9 | 2.4 | 5.4 | 308 | 12.0 | 53.6 | 67 |
| 9/20/2009 5:00 | -3 | 1.7 | 3.8 | 283 | 11.0 | 51.8 | 71 |
| 9/20/2009 6:00 | 4 | 0.7 | 1.6 | 48 | 8.5 | 47.3 | 86 |
| 9/20/2009 7:00 | 14 | 1.3 | 2.9 | 45 | 9.3 | 48.7 | 81 |
| 9/20/2009 8:00 | -4 | 2.0 | 4.5 | 267 | 10.7 | 51.3 | 55 |
| 9/20/2009 9:00 | 0 | 2.6 | 5.8 | 273 | 10.3 | 50.5 | 46 |
| 9/20/2009 10:00 | 14 | 4.8 | 10.7 | 270 | 12.4 | 54.3 | 38 |
| 9/20/2009 11:00 | 17 | 3.7 | 8.3 | 282 | 13.4 | 56.1 | 34 |
| 9/20/2009 12:00 | 8 | 4.5 | 10.1 | 293 | 14.2 | 57.6 | 29 |
| 9/20/2009 13:00 | -2 | 4.5 | 10.1 | 284 | 14.4 | 57.9 | 29 |
| 9/20/2009 14:00 | 8 | 4.4 | 9.8 | 309 | 13.9 | 57.0 | 31 |
| 9/20/2009 15:00 | -2 | 4.7 | 10.5 | 298 | 12.3 | 54.1 | 37 |
| 9/20/2009 16:00 | 20 | 5.6 | 12.5 | 295 | 13.6 | 56.5 | 34 |
| 9/20/2009 17:00 | 5 | 4.7 | 10.5 | 302 | 13.0 | 55.4 | 31 |
| 9/20/2009 18:00 | 2 | 3.4 | 7.6 | 312 | 11.5 | 52.7 | 37 |
| 9/20/2009 19:00 | 2 | 1.3 | 2.9 | 347 | 10.1 | 50.2 | 47 |
| 9/20/2009 20:00 | -1 | 1.6 | 3.6 | 358 | 9.0 | 48.2 | 54 |
| 9/20/2009 21:00 | 4 | 1.1 | 2.5 | 339 | 8.1 | 46.6 | 58 |
| 9/20/2009 22:00 | 2 | 0.8 | 1.8 | 306 | 6.3 | 43.3 | 65 |
| 9/20/2009 23:00 | 7 | 0.5 | 1.1 | 277 | 4.2 | 39.6 | 76 |
| 9/21/2009 0:00 | 14 | 0.6 | 1.3 | 102 | 3.7 | 38.7 | 81 |
| 9/21/2009 1:00 | -5 | 0.6 | 1.3 | 300 | 0.8 | 33.4 | 85 |
| 9/21/2009 2:00 | 8 | 0.5 | 1.1 | 250 | -0.3 | 31.5 | 89 |
| 9/21/2009 3:00 | -5 | 0.8 | 1.8 | 249 | -1.9 | 28.6 | 89 |
| 9/21/2009 4:00 | 8 | 0.6 | 1.3 | 157 | -0.9 | 30.4 | 88 |
| 9/21/2009 5:00 | 0 | 0.7 | 1.6 | 17 | -1.4 | 29.5 | 86 |
| 9/21/2009 6:00 | 0 | 1.1 | 2.5 | 176 | -0.8 | 30.6 | 84 |
| 9/21/2009 7:00 | 1 | 1.2 | 2.7 | 205 | -0.8 | 30.6 | 82 |
| 9/21/2009 8:00 | 13 | 1.3 | 2.9 | 176 | 3.0 | 37.4 | 71 |
| 9/21/2009 9:00 | 6 | 2.4 | 5.4 | 174 | 7.7 | 45.9 | 54 |
| 9/21/2009 10:00 | 8 | 2.6 | 5.8 | 185 | 11.3 | 52.3 | 40 |
| 9/21/2009 11:00 | 16 | 2.3 | 5.1 | 175 | 13.3 | 55.9 | 33 |
| 9/21/2009 12:00 | 7 | 2.2 | 4.9 | 129 | 14.8 | 58.6 | 29 |
| 9/21/2009 13:00 | 7 | 1.8 | 4.0 | 100 | 15.8 | 60.4 | 26 |
| 9/21/2009 14:00 | 15 | 1.4 | 3.1 | 25 | 17 | 62.6 | 25 |
| 9/21/2009 15:00 | 7 | 1.5 | 3.4 | 24 | 17.9 | 64.2 | 26 |
| 9/21/2009 16:00 | 5 | 1.6 | 3.6 | 10 | 18.1 | 64.6 | 27 |
| 9/21/2009 17:00 | 0 | 1.3 | 2.9 | 7 | 17.6 | 63.7 | 28 |
| 9/21/2009 18:00 | 16 | 1.2 | 2.7 | 42 | 17.7 | 63.9 | 25 |
| 9/21/2009 19:00 | -4 | 1.0 | 2.2 | 23 | 14.4 | 57.9 | 31 |
| 9/21/2009 20:00 | 0 | 1 | 2.2 | 294 | 10.1 | 50.2 | 45 |
| 9/21/2009 21:00 | 7 | 0.6 | 1.3 | 264 | 5.2 | 41.4 | 67 |
| 9/21/2009 22:00 | 2 | 0.6 | 1.3 | 237 | 3.8 | 38.8 | 72 |
| 9/21/2009 23:00 | 2 | 1.1 | 2.5 | 169 | 6.1 | 43.0 | 59 |
| 9/22/2009 0:00 | 6 | 0.7 | 1.6 | 260 | 4.0 | 39.2 | 67 |
| 9/22/2009 1:00 | 20 | 0.6 | 1.3 | 163 | 2.4 | 36.3 | 74 |
| 9/22/2009 2:00 | -3 | 0.7 | 1.6 | 224 | 1.8 | 35.2 | 75 |
| 9/22/2009 3:00 | -2 | 0.5 | 1.1 | 180 | 1.5 | 34.7 | 78 |

| Date & Time Mountain Standard Time (data for hour ending) | PM10 Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|---------------------------|---|--|--|--|---|--|
| 9/22/2009 4:00 | 10 | 0.4 | 0.9 | 108 | 1.3 | 34.3 | 79 |
| 9/22/2009 5:00 | 6 | 0.8 | 1.8 | 138 | 1.9 | 35.4 | 75 |
| 9/22/2009 6:00 | 18 | 0.8 | 1.8 | 143 | 0.9 | 33.6 | 77 |
| 9/22/2009 7:00 | 4 | 1.0 | 2.2 | 181 | 1.9 | 35.4 | 72 |
| 9/22/2009 8:00 | 0 | 1.1 | 2.5 | 172 | 6.5 | 43.7 | 57 |
| 9/22/2009 9:00 | 10 | 1.7 | 3.8 | 198 | 11.4 | 52.5 | 42 |
| 9/22/2009 10:00 | 18 | 1.1 | 2.5 | 174 | 15.1 | 59.2 | 32 |
| 9/22/2009 11:00 | 14 | 1.1 | 2.5 | 91 | 17.0 | 62.6 | 30 |
| 9/22/2009 12:00 | 8 | 1.2 | 2.7 | 19 | 19.5 | 67.1 | 26 |
| 9/22/2009 13:00 | 14 | 1.3 | 2.9 | 343 | 20.9 | 69.6 | 24 |
| 9/22/2009 14:00 | 0 | 1.5 | 3.4 | 357 | 21.8 | 71.2 | 24 |
| 9/22/2009 15:00 | 12 | 1.5 | 3.4 | 349 | 22.9 | 73.2 | 22 |
| 9/22/2009 16:00 | 2 | 1.4 | 3.1 | 4 | 23.8 | 74.8 | 22 |
| 9/22/2009 17:00 | 5 | 1.4 | 3.1 | 356 | 23.6 | 74.5 | 23 |
| 9/22/2009 18:00 | -5 | 1.3 | 2.9 | 334 | 21.8 | 71.2 | 30 |
| 9/22/2009 19:00 | -5 | 0.6 | 1.3 | 267 | 15.3 | 59.5 | 54 |
| 9/22/2009 20:00 | -3 | 0.7 | 1.6 | 176 | 11.2 | 52.2 | 63 |
| 9/22/2009 21:00 | 6 | 1.2 | 2.7 | 141 | 10 | 50.0 | 68 |
| 9/22/2009 22:00 | 10 | 1.4 | 3.1 | 152 | 10.0 | 50.0 | 63 |
| 9/22/2009 23:00 | 9 | 1.4 | 3.1 | 155 | 8.9 | 48.0 | 66 |
| 9/23/2009 0:00 | 21 | 1.4 | 3.1 | 190 | 9.0 | 48.2 | 64 |
| 9/23/2009 1:00 | 0 | 1.2 | 2.7 | 176 | 8.3 | 46.9 | 68 |
| 9/23/2009 2:00 | 13 | 1.5 | 3.4 | 198 | 7.8 | 46.0 | 68 |
| 9/23/2009 3:00 | 4 | 1.1 | 2.5 | 186 | 7.4 | 45.3 | 68 |
| 9/23/2009 4:00 | 3 | 1.2 | 2.7 | 177 | 6.2 | 43.2 | 72 |
| 9/23/2009 5:00 | 6 | 1.4 | 3.1 | 187 | 6.2 | 43.2 | 71 |
| 9/23/2009 6:00 | 4 | 1.2 | 2.7 | 177 | 5.9 | 42.6 | 72 |
| 9/23/2009 7:00 | 15 | 1.2 | 2.7 | 217 | 5.2 | 41.4 | 75 |
| 9/23/2009 8:00 | 8 | 1.5 | 3.4 | 176 | 9.2 | 48.6 | 61 |
| 9/23/2009 9:00 | 14 | 1.7 | 3.8 | 164 | 14.5 | 58.1 | 48 |
| 9/23/2009 10:00 | 21 | 1.3 | 2.9 | 159 | 18.9 | 66.0 | 36 |
| 9/23/2009 11:00 | 24 | 1.2 | 2.7 | 54 | 21.7 | 71.1 | 30 |
| 9/23/2009 12:00 | 10 | 1.3 | 2.9 | 4 | 23.1 | 73.6 | 29 |
| 9/23/2009 13:00 | 8 | 1.3 | 2.9 | 17 | 24.8 | 76.6 | 26 |
| 9/23/2009 14:00 | 7 | 1.3 | 2.9 | 13 | 26.4 | 79.5 | 22 |
| 9/23/2009 15:00 | 17 | 1.3 | 2.9 | 9 | 28.2 | 82.8 | 16 |
| 9/23/2009 16:00 | -5 | 1.4 | 3.1 | 358 | 28.8 | 83.8 | 12 |
| 9/23/2009 17:00 | -5 | 1.5 | 3.4 | 343 | 28.4 | 83.1 | 15 |
| 9/23/2009 18:00 | 21 | 0.6 | 1.3 | 334 | 26.8 | 80.2 | 24 |
| 9/23/2009 19:00 | -5 | 0.5 | 1.1 | 246 | 17.7 | 63.9 | 53 |
| 9/23/2009 20:00 | -5 | 1.0 | 2.2 | 127 | 14.4 | 57.9 | 54 |
| 9/23/2009 21:00 | 1 | 1.3 | 2.9 | 165 | 13.6 | 56.5 | 51 |
| 9/23/2009 22:00 | 16 | 1.5 | 3.4 | 138 | 12.1 | 53.8 | 51 |
| 9/23/2009 23:00 | -5 | 1.6 | 3.6 | 145 | 11.5 | 52.7 | 52 |
| 9/24/2009 0:00 | 19 | 1.7 | 3.8 | 186 | 11.7 | 53.1 | 50 |
| 9/24/2009 1:00 | 2 | 1.8 | 4.0 | 169 | 11.6 | 52.9 | 48 |
| 9/24/2009 2:00 | 5 | 2.4 | 5.4 | 200 | 11.3 | 52.3 | 47 |
| 9/24/2009 3:00 | 10 | 2.4 | 5.4 | 194 | 12.2 | 54.0 | 44 |
| 9/24/2009 4:00 | 5 | 1.4 | 3.1 | 177 | 11.1 | 52.0 | 47 |
| 9/24/2009 5:00 | 6 | 1.4 | 3.1 | 208 | 9.1 | 48.4 | 53 |
| 9/24/2009 6:00 | 7 | 1.0 | 2.2 | 228 | 6.4 | 43.5 | 63 |
| 9/24/2009 7:00 | 5 | 0.6 | 1.3 | 121 | 4.2 | 39.6 | 75 |
| 9/24/2009 8:00 | -1 | 1.4 | 3.1 | 181 | 10.0 | 50.0 | 52 |
| 9/24/2009 9:00 | 19 | 2.1 | 4.7 | 178 | 15.7 | 60.3 | 35 |
| 9/24/2009 10:00 | 16 | 2.5 | 5.6 | 192 | 20.5 | 68.9 | 24 |
| 9/24/2009 11:00 | 17 | 1.3 | 2.9 | 91 | 23.9 | 75.0 | 18 |
| 9/24/2009 12:00 | 23 | 1.4 | 3.1 | 10 | 24.5 | 76.1 | 22 |
| 9/24/2009 13:00 | 8 | 1.5 | 3.4 | 11 | 26.2 | 79.2 | 18 |
| 9/24/2009 14:00 | 12 | 1.7 | 3.8 | 1 | 28.1 | 82.6 | 15 |
| 9/24/2009 15:00 | 11 | 2.2 | 4.9 | 352 | 28.9 | 84.0 | 15 |
| 9/24/2009 16:00 | 11 | 1.7 | 3.8 | 7 | 29.2 | 84.6 | 14 |
| 9/24/2009 17:00 | 4 | 1.2 | 2.7 | 30 | 28.9 | 84.0 | 13 |
| 9/24/2009 18:00 | 4 | 1.0 | 2.2 | 30 | 26.4 | 79.5 | 17 |
| 9/24/2009 19:00 | 9 | 0.5 | 1.1 | 305 | 19.4 | 66.9 | 37 |
| 9/24/2009 20:00 | -5 | 0.7 | 1.6 | 150 | 13.6 | 56.5 | 56 |
| 9/24/2009 21:00 | 5 | 1.3 | 2.9 | 173 | 13.7 | 56.7 | 49 |
| 9/24/2009 22:00 | 14 | 1.5 | 3.4 | 150 | 12.2 | 54.0 | 49 |
| 9/24/2009 23:00 | 15 | 1.2 | 2.7 | 144 | 10.9 | 51.6 | 51 |
| 9/25/2009 0:00 | 26 | 1.1 | 2.5 | 161 | 10.0 | 50.0 | 55 |
| 9/25/2009 1:00 | 20 | 0.8 | 1.8 | 141 | 8.9 | 48.0 | 57 |
| 9/25/2009 2:00 | 12 | 1.0 | 2.2 | 154 | 8.2 | 46.8 | 58 |
| 9/25/2009 3:00 | 20 | 0.7 | 1.6 | 78 | 6.5 | 43.7 | 69 |
| 9/25/2009 4:00 | 13 | 0.9 | 2.0 | 133 | 6.1 | 43.0 | 65 |
| 9/25/2009 5:00 | 12 | 0.7 | 1.6 | 112 | 5.9 | 42.6 | 66 |
| 9/25/2009 6:00 | 14 | 0.6 | 1.3 | 84 | 5.0 | 41.0 | 71 |
| 9/25/2009 7:00 | 16 | 0.7 | 1.6 | 298 | 3.1 | 37.6 | 79 |
| 9/25/2009 8:00 | 9 | 0.9 | 2.0 | 172 | 8.8 | 47.8 | 58 |
| 9/25/2009 9:00 | 41 | 0.7 | 1.6 | 116 | 15.3 | 59.5 | 40 |
| 9/25/2009 10:00 | 37 | 1.1 | 2.5 | 355 | 18.0 | 64.4 | 35 |
| 9/25/2009 11:00 | 21 | 1.2 | 2.7 | 8 | 20.5 | 68.9 | 31 |
| 9/25/2009 12:00 | 21 | 1.7 | 3.8 | 356 | 22.7 | 72.9 | 28 |
| 9/25/2009 13:00 | AV | AV | AV | AV | AV | AV | AV |
| 9/25/2009 14:00 | AV | AV | AV | AV | AV | AV | AV |
| 9/25/2009 15:00 | AV | 1.4 | 3.1 | 26 | 26.8 | 80.2 | 20 |
| 9/25/2009 16:00 | 23 | 1.6 | 3.6 | 1 | 26.7 | 80.1 | 20 |
| 9/25/2009 17:00 | 18 | 1.2 | 2.7 | 8 | 26.3 | 79.3 | 17 |

| Date & Time Mountain Standard Time (data for hour ending) | PM10 Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|---------------------------|---|--|--|--|---|--|
| 9/25/2009 18:00 | 7 | 0.8 | 1.8 | 35 | 24.2 | 75.6 | 20 |
| 9/25/2009 19:00 | -3 | 0.7 | 1.6 | 131 | 18.5 | 65.3 | 32 |
| 9/25/2009 20:00 | -3 | 0.7 | 1.6 | 334 | 10.5 | 50.9 | 60 |
| 9/25/2009 21:00 | 3 | 1.3 | 2.9 | 167 | 10.9 | 51.6 | 57 |
| 9/25/2009 22:00 | -1 | 1 | 2.2 | 147 | 10.5 | 50.9 | 54 |
| 9/25/2009 23:00 | 12 | 1.3 | 2.9 | 155 | 11.1 | 52.0 | 50 |
| 9/26/2009 0:00 | 27 | 1.5 | 3.4 | 153 | 10 | 50.0 | 52 |
| 9/26/2009 1:00 | 6 | 1.8 | 4.0 | 185 | 9.7 | 49.5 | 51 |
| 9/26/2009 2:00 | 21 | 1.7 | 3.8 | 211 | 9.8 | 49.6 | 49 |
| 9/26/2009 3:00 | 16 | 1.3 | 2.9 | 130 | 8.9 | 48.0 | 51 |
| 9/26/2009 4:00 | 14 | 2.6 | 5.8 | 172 | 8.8 | 47.8 | 51 |
| 9/26/2009 5:00 | 12 | 2.6 | 5.8 | 196 | 8.8 | 47.8 | 50 |
| 9/26/2009 6:00 | 15 | 3.1 | 6.9 | 203 | 8.3 | 46.9 | 49 |
| 9/26/2009 7:00 | 21 | 1.6 | 3.6 | 194 | 8.1 | 46.6 | 49 |
| 9/26/2009 8:00 | 6 | 1.6 | 3.6 | 162 | 8.6 | 47.5 | 50 |
| 9/26/2009 9:00 | 21 | 1.1 | 2.5 | 103 | 13.8 | 56.8 | 42 |
| 9/26/2009 10:00 | 23 | 2.9 | 6.5 | 164 | 19.9 | 67.8 | 25 |
| 9/26/2009 11:00 | 20 | 4.0 | 8.9 | 191 | 22.8 | 73.0 | 17 |
| 9/26/2009 12:00 | 18 | 5.1 | 11.4 | 262 | 25.5 | 77.9 | 13 |
| 9/26/2009 13:00 | 14 | 5.1 | 11.4 | 266 | 26.3 | 79.3 | 12 |
| 9/26/2009 14:00 | 17 | 5.7 | 12.8 | 265 | 25.9 | 78.6 | 13 |
| 9/26/2009 15:00 | 12 | 4.8 | 10.7 | 271 | 26.7 | 80.1 | 12 |
| 9/26/2009 16:00 | 17 | 5.2 | 11.6 | 280 | 25.8 | 78.4 | 13 |
| 9/26/2009 17:00 | 4 | 4.8 | 10.7 | 271 | 24.5 | 76.1 | 18 |
| 9/26/2009 18:00 | 2 | 2.9 | 6.5 | 249 | 22.5 | 72.5 | 23 |
| 9/26/2009 19:00 | -5 | 1.6 | 3.6 | 231 | 19.4 | 66.9 | 29 |
| 9/26/2009 20:00 | 6 | 1.2 | 2.7 | 225 | 17.4 | 63.3 | 33 |
| 9/26/2009 21:00 | 6 | 1.1 | 2.5 | 140 | 16.0 | 60.8 | 37 |
| 9/26/2009 22:00 | 7 | 1.4 | 3.1 | 132 | 14.6 | 58.3 | 42 |
| 9/26/2009 23:00 | 23 | 1.0 | 2.2 | 116 | 13.0 | 55.4 | 46 |
| 9/27/2009 0:00 | 23 | 1.5 | 3.4 | 336 | 14.9 | 58.8 | 41 |
| 9/27/2009 1:00 | 25 | 1.4 | 3.1 | 304 | 14.9 | 58.8 | 38 |
| 9/27/2009 2:00 | 15 | 1.9 | 4.3 | 319 | 12.9 | 55.2 | 39 |
| 9/27/2009 3:00 | 15 | 1.4 | 3.1 | 272 | 9.3 | 48.7 | 48 |
| 9/27/2009 4:00 | 12 | 1.3 | 2.9 | 273 | 7.8 | 46.0 | 49 |
| 9/27/2009 5:00 | 8 | 1.6 | 3.6 | 265 | 6.5 | 43.7 | 52 |
| 9/27/2009 6:00 | 15 | 1.8 | 4.0 | 289 | 6.4 | 43.5 | 51 |
| 9/27/2009 7:00 | 24 | 0.8 | 1.8 | 358 | 4.4 | 39.9 | 60 |
| 9/27/2009 8:00 | 13 | 1.0 | 2.2 | 6 | 5.9 | 42.6 | 62 |
| 9/27/2009 9:00 | 21 | 1.6 | 3.6 | 350 | 8.4 | 47.1 | 54 |
| 9/27/2009 10:00 | 16 | 1.1 | 2.5 | 18 | 10.9 | 51.6 | 44 |
| 9/27/2009 11:00 | 34 | 1.5 | 3.4 | 1 | 13.6 | 56.5 | 36 |
| 9/27/2009 12:00 | 21 | 1.8 | 4.0 | 10 | 15.9 | 60.6 | 29 |
| 9/27/2009 13:00 | 29 | 1.6 | 3.6 | 12 | 17.7 | 63.9 | 24 |
| 9/27/2009 14:00 | 34 | 1.9 | 4.3 | 1 | 18.4 | 65.1 | 22 |
| 9/27/2009 15:00 | 32 | 1.5 | 3.4 | 19 | 19.5 | 67.1 | 18 |
| 9/27/2009 16:00 | 22 | 1.6 | 3.6 | 12 | 19.8 | 67.6 | 17 |
| 9/27/2009 17:00 | 17 | 1.8 | 4.0 | 352 | 18.9 | 66.0 | 17 |
| 9/27/2009 18:00 | 6 | 1.8 | 4.0 | 343 | 16.3 | 61.3 | 23 |
| 9/27/2009 19:00 | 13 | 0.9 | 2.0 | 274 | 9.5 | 49.1 | 40 |
| 9/27/2009 20:00 | 21 | 0.6 | 1.3 | 164 | 5.6 | 42.1 | 59 |
| 9/27/2009 21:00 | 16 | 0.9 | 2.0 | 140 | 4.9 | 40.8 | 58 |
| 9/27/2009 22:00 | 13 | 0.9 | 2.0 | 124 | 3.4 | 38.1 | 61 |
| 9/27/2009 23:00 | 13 | 1.1 | 2.5 | 192 | 3.7 | 38.7 | 54 |
| 9/28/2009 0:00 | 25 | 0.7 | 1.6 | 163 | 2.4 | 36.3 | 58 |
| 9/28/2009 1:00 | 18 | 0.4 | 0.9 | 168 | 1.1 | 34.0 | 63 |
| 9/28/2009 2:00 | 14 | 0.5 | 1.1 | 115 | 0.6 | 33.1 | 64 |
| 9/28/2009 3:00 | 19 | 1.1 | 2.5 | 154 | 1.3 | 34.3 | 61 |
| 9/28/2009 4:00 | 6 | 0.9 | 2.0 | 197 | 0.6 | 33.1 | 65 |
| 9/28/2009 5:00 | 33 | 0.7 | 1.6 | 261 | -0.7 | 30.7 | 74 |
| 9/28/2009 6:00 | 8 | 0.9 | 2.0 | 264 | 0.5 | 32.9 | 67 |
| 9/28/2009 7:00 | 17 | 1.9 | 4.3 | 233 | 4.3 | 39.7 | 51 |
| 9/28/2009 8:00 | 54 | 2.5 | 5.6 | 195 | 8.0 | 46.4 | 40 |
| 9/28/2009 9:00 | 16 | 2.4 | 5.4 | 175 | 11.8 | 53.2 | 33 |
| 9/28/2009 10:00 | 26 | 3.5 | 7.8 | 182 | 16.4 | 61.5 | 24 |
| 9/28/2009 11:00 | 20 | 4.7 | 10.5 | 146 | 19.5 | 67.1 | 20 |
| 9/28/2009 12:00 | 12 | 4.8 | 10.7 | 151 | 21.6 | 70.9 | 17 |
| 9/28/2009 13:00 | 15 | 4.5 | 10.1 | 154 | 23.8 | 74.8 | 12 |
| 9/28/2009 14:00 | 14 | 4.3 | 9.6 | 172 | 26.0 | 78.8 | 8 |
| 9/28/2009 15:00 | 11 | 4.1 | 9.2 | 173 | 26.8 | 80.2 | 7 |
| 9/28/2009 16:00 | 4 | 3.4 | 7.6 | 170 | 26.6 | 79.9 | 8 |
| 9/28/2009 17:00 | 1 | 2.8 | 6.3 | 152 | 25.2 | 77.4 | 12 |
| 9/28/2009 18:00 | 13 | 1.7 | 3.8 | 181 | 23.0 | 73.4 | 14 |
| 9/28/2009 19:00 | -4 | 1.8 | 4.0 | 153 | 20.6 | 69.1 | 20 |
| 9/28/2009 20:00 | 6 | 3.0 | 6.7 | 153 | 20.0 | 68.0 | 21 |
| 9/28/2009 21:00 | 17 | 2.9 | 6.5 | 155 | 20.2 | 68.4 | 20 |
| 9/28/2009 22:00 | 11 | 3.2 | 7.2 | 142 | 19.5 | 67.1 | 23 |
| 9/28/2009 23:00 | 13 | 2.6 | 5.8 | 190 | 17.6 | 63.7 | 25 |
| 9/29/2009 0:00 | 6 | 1.6 | 3.6 | 195 | 14.4 | 57.9 | 31 |
| 9/29/2009 1:00 | 14 | 1.5 | 3.4 | 180 | 12.0 | 53.6 | 38 |
| 9/29/2009 2:00 | 5 | 1.6 | 3.6 | 177 | 8.7 | 47.7 | 48 |
| 9/29/2009 3:00 | 6 | 1.6 | 3.6 | 192 | 9.4 | 48.9 | 44 |
| 9/29/2009 4:00 | 9 | 2.3 | 5.1 | 195 | 10.7 | 51.3 | 39 |
| 9/29/2009 5:00 | 22 | 2.3 | 5.1 | 184 | 14.6 | 58.3 | 29 |
| 9/29/2009 6:00 | 15 | 2.0 | 4.5 | 181 | 14.7 | 58.5 | 30 |

| Date & Time Mountain Standard Time (data for hour ending) | PM10 Hourly (µg/m3) | Wind Speed Hourly (meters per second) | Wind Speed Hourly (miles per hour) | Wind Direction Hourly (degrees true) | Air Temperature Hourly (Celsius) | Air Temperature Hourly (Fahrenheit) | Relative Humidity Hourly (percent) |
|---|---------------------------|---|--|--|--|---|--|
| 9/29/2009 7:00 | 16 | 1.7 | 3.8 | 173 | 14.6 | 58.3 | 30 |
| 9/29/2009 8:00 | 42 | 1.2 | 2.7 | 204 | 13.9 | 57.0 | 34 |
| 9/29/2009 9:00 | 23 | 1.1 | 2.5 | 220 | 16.2 | 61.2 | 31 |
| 9/29/2009 10:00 | 38 | 2.8 | 6.3 | 248 | 21.4 | 70.5 | 18 |
| 9/29/2009 11:00 | 40 | 5.2 | 11.6 | 221 | 22.4 | 72.3 | 14 |
| 9/29/2009 12:00 | 37 | 5.2 | 11.6 | 211 | 23.2 | 73.8 | 12 |
| 9/29/2009 13:00 | 25 | 6.0 | 13.4 | 225 | 23.9 | 75.0 | 12 |
| 9/29/2009 14:00 | 23 | 5.8 | 13.0 | 226 | 23.5 | 74.3 | 14 |
| 9/29/2009 15:00 | 18 | 5.6 | 12.5 | 224 | 21.8 | 71.2 | 18 |
| 9/29/2009 16:00 | 53 | 5.3 | 11.9 | 215 | 21.2 | 70.2 | 18 |
| 9/29/2009 17:00 | 21 | 4.5 | 10.1 | 218 | 19.5 | 67.1 | 23 |
| 9/29/2009 18:00 | 24 | 2.8 | 6.3 | 209 | 18.0 | 64.4 | 29 |
| 9/29/2009 19:00 | 4 | 0.9 | 2.0 | 244 | 15.2 | 59.4 | 39 |
| 9/29/2009 20:00 | 34 | 1.6 | 3.6 | 27 | 12.4 | 54.3 | 52 |
| 9/29/2009 21:00 | 3 | 2.0 | 4.5 | 24 | 8.4 | 47.1 | 78 |
| 9/29/2009 22:00 | 13 | 1.6 | 3.6 | 39 | 6.2 | 43.2 | 85 |
| 9/29/2009 23:00 | 15 | 1.3 | 2.9 | 31 | 5.6 | 42.1 | 87 |
| 9/30/2009 0:00 | -5 | 1.6 | 3.6 | 69 | 3.8 | 38.8 | 88 |
| 9/30/2009 1:00 | -5 | 1.5 | 3.4 | 65 | 2.9 | 37.2 | 88 |
| 9/30/2009 2:00 | 9 | 1.2 | 2.7 | 45 | 2.7 | 36.9 | 88 |
| 9/30/2009 3:00 | 1 | 0.8 | 1.8 | 12 | 2.8 | 37.0 | 89 |
| 9/30/2009 4:00 | 2 | 1.1 | 2.5 | 346 | 2.9 | 37.2 | 87 |
| 9/30/2009 5:00 | 8 | 0.7 | 1.6 | 75 | 1.9 | 35.4 | 85 |
| 9/30/2009 6:00 | -3 | 1.2 | 2.7 | 103 | 1.1 | 34.0 | 88 |
| 9/30/2009 7:00 | 8 | 0.6 | 1.3 | 119 | 1.4 | 34.5 | 87 |
| 9/30/2009 8:00 | 9 | 0.9 | 2.0 | 277 | 2.1 | 35.8 | 80 |
| 9/30/2009 9:00 | 7 | 0.9 | 2.0 | 95 | 2.8 | 37.0 | 80 |
| 9/30/2009 10:00 | -5 | 1.1 | 2.5 | 102 | 3.5 | 38.3 | 75 |
| 9/30/2009 11:00 | 9 | 1.6 | 3.6 | 201 | 4.9 | 40.8 | 68 |
| 9/30/2009 12:00 | 7 | 2.0 | 4.5 | 204 | 5.1 | 41.2 | 69 |
| 9/30/2009 13:00 | 2 | 1.6 | 3.6 | 107 | 5.8 | 42.4 | 63 |
| 9/30/2009 14:00 | 9 | 1.3 | 2.9 | 75 | 7.5 | 45.5 | 52 |
| 9/30/2009 15:00 | 9 | 2.2 | 4.9 | 199 | 6.0 | 42.8 | 61 |
| 9/30/2009 16:00 | -5 | 2.6 | 5.8 | 297 | 5.2 | 41.4 | 63 |
| 9/30/2009 17:00 | 3 | 1.4 | 3.1 | 267 | 5.1 | 41.2 | 63 |
| 9/30/2009 18:00 | 11 | 1.2 | 2.7 | 229 | 4.2 | 39.6 | 68 |
| 9/30/2009 19:00 | -5 | 2.2 | 4.9 | 274 | 3.1 | 37.6 | 67 |
| 9/30/2009 20:00 | 15 | 1.5 | 3.4 | 114 | 2.5 | 36.5 | 75 |
| 9/30/2009 21:00 | -4 | 1.7 | 3.8 | 262 | 2.1 | 35.8 | 67 |
| 9/30/2009 22:00 | 6 | 2.7 | 6.0 | 276 | 2.4 | 36.3 | 64 |
| 9/30/2009 23:00 | 6 | 2.8 | 6.3 | 254 | 2.3 | 36.1 | 63 |
| 10/1/2009 0:00 | 5 | 1.8 | 4.0 | 271 | 1.3 | 34.3 | 66 |

AN = Instrument malfunction

AV = Power outage

BA = Routine maintenance and repairs